CLEAN ENERGY   
TRANSITION AGENDA

|  |
| --- |
|  |

[Insert your islands name]

Author:

Version: Month/Year

Introduction for writers of the Clean Energy Transition Agenda

**The Clean Energy Transition Agenda is a strategic roadmap for your island’s transition towards clean energy, as desired by the island community. It is the result of an island-wide participatory process that brings together all relevant stakeholders to analyse the island dynamics, develop a shared vision and build transition pathways towards this vision. The Transition Agenda lays the strategic foundation to develop decarbonisation plans that cover the technical, financial, and organisational aspect of your island’s clean energy transition.**

As a complement to this template, the Islands Transition Handbook guides island communities through the Transition Agenda writing process. [The handbook is available online](https://euislands.eu/index.php/document/islands-transition-handbook) in English, Spanish, French, Greek, Croatian, Portuguese, Dutch and Italian. The sections and subsections of this template refer to specific chapters of the Island Transition Handbook.

The content that the Authors need to modify is highlighted in [green brackets]. The descriptions on how to fill in the agenda are written in grey italics. Please remove both the highlights and the grey italic text upon completion.

The objective of this template is to structure your Clean Energy Transition Agenda. The template is meant to be adapted to fit your island’s specific needs. Islands are encouraged to develop their own visual identity and may choose alternative ways of delivering their Transition Agenda – such as an interactive webpage, a poster, etc. – as long as the minimum requirements listed below are fulfilled.

A Clean Energy Transition Agenda needs to meet the following **content requirements:**

* It consists of at least two parts: one part that describes the current situation on the island and a second part thatfocuses on the island vision and on the pathways needed to achieve this vision.
* Part I at least includes:
* A general description of the island geography, economy and population.
* A description of the current energy system.
* A stakeholder mapping that covers the relevant island stakeholders.
* An analysis of the policy and regulation that overarches the plan.
* Part II at least includes:
* A vision statement that covers the entire island,
* A description of the governance of the transition process,
* The identification and description of the main pathways of the transition process.
* A monitoring strategy
* The Clean Energy Transition Agenda contains the Clean energy for EU islands logo and mentions the Clean energy for EU islands initiative.

Please note that a Transition Agenda is a ‘living document’; thus, its content may evolve over time. Through their transition process, islands may have different versions of their Transition Agenda (one at the beginning, and several as the transition develops). To avoid misunderstandings, please clarify the version month and year in the title page of the Transition Agenda.

For any questions, do not hesitate to contact the Clean energy for EU islands secretariat through [info@euislands.eu](mailto:info@euislands.eu).

For more information about the activities of the secretariat consult www.euislands.eu.

# Preface

This Island Clean Energy Transition Agenda for [Island] is the strategic and tactical roadmap for the transition process towards clean energy as desired by the stakeholders on the island.

This Island Clean Energy Transition Agenda was developed jointly by [Stakeholder 1], [Stakeholder 2], etc. with the support from [Stakeholder 3], [Stakeholder 4], etc.

The core team that represents the island stakeholders and takes responsibility for the development of Clean Energy Transition Agenda is known as the **Transition Team**. The Transition Team has a key coordination and facilitation role; therefore, its members need to be committed with both resources and availability.

The Transition Agenda must be approved by the entire Transition Team and the island’s main stakeholders before being officially published.

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# Part I: Island Dynamics

Part I of the Clean Energy Transition Agenda aims at providing a picture of the current status of the island. This includes a description of the geographical, economic, and political situation on the island, but also an analysis of the Energy System and of the Stakeholders that are important for the Clean Energy Transition.

## Geography, Economy & Population

### Geographic Situation

Describe the island’s geographical features that are relevant for the transition process.

### Demographic Situation

Describe the relevant demographic considerations in the context of the transition process.

### Local Government

Describe the role of the local government in the transition process.

### Economic Activities

Describe the main economic activities on the island and relate these to the impact on the island’s greenhouse gas emissions.

### Connection to the mainland

Describe the island’s relation to the mainland including physical connections like ferry routes, bridges, or electrical cables (although this should be further developed in the Energy System Description section). Also refer to other dependencies (e.g., if the island is part of a municipality or region on the mainland).

## Energy System Description

The scope of the description of the island’s energy system depends on the available technical expertise on the island. A complete diagnosis of the energy system is recommended for each of the relevant energy vectors on the island, for example:

* Electricity
* Heating and cooling
* Transport on the island
* Transport to and from the island

Accurate, recent, and detailed information on energy consumption and on the sources of greenhouse gas emissions allows developing a relevant plan and promotes an efficient allocation of resources. Although the Secretariat encourages islands to carry out an energy analysis as exhaustive as possible, the lack of data on a certain vector should not pose a limitation to developing a Clean Energy Transition Agenda. The aim of this section is to give a snapshot of the vectors that dominate energy consumption on the island and generate the highest CO2 emissions. If no official data is available, energy consumption and emissions can be estimated based on certain assumptions.

**More information on how to develop the Energy System Description of the island (including how to gather data or how to estimate it in case it is not available) can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 3 ‘Understanding the Island Dynamics’, Section: ‘Energy System description’.**

Islands that have developed a baseline emission inventory can insert a summary of the results in their Clean Energy Transition Agenda. For guidance on developing a baseline emissions inventory, islands are referred to [*the reference material developed by the Covenant of Mayors*](https://op.europa.eu/en/publication-detail/-/publication/a2ac8a5e-f134-11e8-9982-01aa75ed71a1/language-en/format-PDF/source-search) [1]. Please note that a complete baseline emission inventory is not a minimum requirement to complete a Clean Energy Transition Agenda.

The gathered data on all energy vectors can be summarised in Tables 1 and 2 (below). The Energy System Description section is not limited to data though: it should also include text describing how energy is generated and consumed on the island in order to provide a full picture of the island’s energy system.

Table 1 Example table to summarise final energy consumption on the island. It is recommended to include data as detailed as possible per vector. However, if not available, the table can be adapted to the information on the island that is accessible.

|  |  |  |
| --- | --- | --- |
| **Data for year [201X]** | **Final energy consumption**  **[MWh]** | **CO2 emissions**  **[tonne]** |
| **Electricity consumption** |  |  |
| Residential | *1111* | *9999* |
| Primary sector | *1111* | *9999* |
| Industries | *1111* | *9999* |
| Tertiary sector | *1111* | *9999* |
| **Transport on the island** |  |  |
| Cars | *1111* | *9999* |
| Vans | *1111* | *9999* |
| Motorbikes | *1111* | *9999* |
| Buses | *1111* | *9999* |
| etc. | *1111* | *9999* |
| **Transport to and from the island** |  |  |
| Maritime transport | *1111* | *9999* |
| Aviation | *1111* | *9999* |
| **Heating and cooling** |  |  |
| Gas boilers | *1111* | *9999* |
| Wood and pellets | *1111* | *9999* |
| etc. | *1111* | *9999* |
| **TOTAL** | **1111** | **9999** |

Table 2 Example table to be included for islands where electricity is produced onsite. For fossil generation, primary energy consumption needs to be indicated here. Renewable energies do not consume primary energy in the electricity generation process; therefore, those cells should be left blank.

|  |  |  |  |
| --- | --- | --- | --- |
| **Data for year [201X]** | **Total energy production**  **[MWh]** | **Primary energy consumption**  **[MWh]** | **CO2 emissions**  **[tonne]** |
| Diesel generators | *XX* | *XX* | *XX* |
| Gas Turbines | *YY* | *YY* | *YY* |
| Solar Photovoltaics | *ZZ* | *--* | *--* |
| Wind | *TT* | *--* | *--* |
| **TOTAL** | **XYZT** | **XY** | **XY** |

## Stakeholder mapping

This section should provide an overview of the local actors that are relevant for the clean energy transition on the island. In a later stage, this exercise will be useful to determine the governance of the transition and to organise the stakeholder consultations. A comprehensive stakeholder engagement register, built up from individual cells as given below, can be used to identify the decision makers that are important in the process.

Besides the name of the contact and the organisation, the perspective of the stakeholder on the transition can be described. What aspect of clean energy transition affects the stakeholder? What opinion do they have on the transition process? This allows identifying the frontrunners on the island whose engagement in developing the island transition path in Part II is desired.

**More information on stakeholder mapping can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 3 ‘Understanding the Island Dynamics’, Section ‘Stakeholder mapping’.**

### Civil society organisations

For every relevant organisation, the following details are recommended:

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

### Businesses

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

### Public Sector

#### Governmental Actors

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

#### Economic Activities

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

### Schools and Academia

#### Higher Education and Research

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

#### Secondary Education

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

#### Primary Education

|  |
| --- |
| [Organisation name] |
| [Perspective on the transition]  [Engagement in the transition] |
| [If applicable, contact person in the organisation] |

## Policy and Regulation

The island transition process is embedded in the overarching policy and regulations. Understanding the local, regional, national, and European policies that govern energy and mobility allows identifying the political top-down targets that push the transition.

Policy and regulation aspects to be investigated may include:

* Binding renewable energy or energy efficiency targets,
* The island’s municipalities’ commitment under the Covenant of Mayors,
* Other regulation, e.g., related to flue gas regulation, which can have a significant effect on the island’s energy transition.

### Local policy and regulation

To be filled with any relevant policies or schemes at the local level related to energy or mobility.

### Regional policy and regulation

To be filled with any relevant policies or schemes at the local level related to energy or mobility.

### National policy and regulation

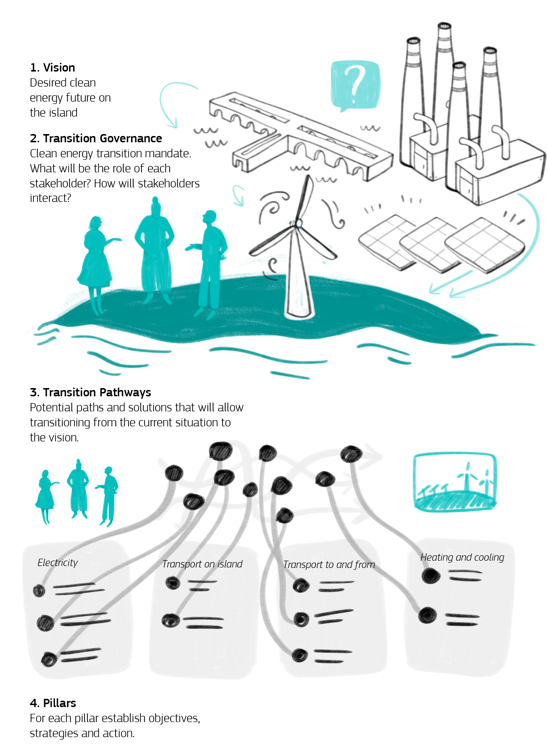
To be filled with any relevant policies or schemes at the national level related to energy or mobility.

### European policy and regulation

A summary of relevant European policies affecting the energy sector can be found online at: [*https://euislands.eu/library*](https://euislands.eu/library)

**More information on how to work and fill this Policy and Regulation section can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 3 ‘Understanding the Island Dynamics’, Section: ‘Policy and regulations’.**

# Part II: Island transition path

The following graph aims to guide the authors in the development of the second part of the Transition Agenda. The Sections of Part II and how the content in each one is related to the rest is illustrated. The figure is added for guidance in the template and should be removed in the final version of the Clean Energy Transition Agenda of your island.

## Vision

The clean energy vision aims to establish a shared goal for the transition process. It can best be expressed as a **sentence or paragraph** that describes how the island stakeholders see the transitioned island in the future. This statement provides insight into future transition activities.

A vision can be developed in a **vision workshop** in which all the relevant island stakeholders participate. The workshop may start by envisioning the island in the future and answering to the following questions: How will the island look like in 2030, in 2050? How will people live? How will they move from one place to another? Etc. For more information into how to organise and facilitate a workshop, please check the secretariat’s [*Workshop Facilitation Guide*](https://euislands.eu/sites/default/files/CE4EUI_WorkshopFacilitationGuide.pdf).

**More information on how to develop an island’s clean energy vision can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 4, ‘Developing an Island Vision’ section: ‘Creating the Vision’.**

## Transition Governance

While the Stakeholder Mapping section aimed at listing the relevant stakeholders in the transition process, the Transition Governance section focuses on determining the role of each actor in achieving the clean energy vision. A clear governance structure is key for the success of the transition process.

To establish how the transition process will be governed, the following questions should be answered:

* What is the role of each stakeholder in the process and what are their resources and drivers of the transition?
* How do the stakeholders interact and collaborate in the transition?
* What is the role of local authorities? To what extent can ownership by citizens and local businesses be foreseen?
* How can interests, motives, and policy of the various stakeholders be aligned towards the common vison?

Along with these questions, the mandate of the Transition Team needs to be clarified. An example of such mandate would be: ‘An independent platform that is set-up by the municipality with an advisory board from renewable energy cooperatives’, ‘a local chamber of commerce’, etc.

**More information on how to develop an island’s clean energy vision can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 4, ‘Developing an Island Vision’.**

## Pathways

Once the vision for the island has been set, transition pathways allow visualising the potential paths to transition from the current situation to the desired future. These pathways will be based on possible solutions, for example: replacing fossil fuel by renewable generation or promoting clean transportation. By connecting the possible solutions and building pathways, the transition team can identify synergies and point out limitations and barriers.

**More information on how to construct pathways can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook)**, Chapter 5 ‘Exploring Island Transition Pathways’, Section ‘Developing islands pathways’.**

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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAAAHAAAAClAAAAqAAAAK4BAQHHGRkZ0Tg4ON1AQEDnUFBQ8Tw8PPUxMTH2Kioq+RUVFf4gICD6QEBA9ycnJ/sVFRX5IyMj4CIiIrsHBweyAAAApwAAAJkAAACcAAAAxQAAAOQAAADeAAAA2QAAANEAAACSAAAAFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADMzMza4uLjEzc3N29bW1uTU1NTi3t7e7dHR0d/V1dXk3d3d7M3NzduWlpagnJycpmRkZGsGBgYHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAhAAAAnQAAAOQAAADyAAAA8wAAAPIAAADuAAAA7wAAAO0AAADyAAAA5AAAANMAAADgAAAA5QAAANoAAADhAAAA2wAAANYAAADSAAAAmAAAAGAAAAAbAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgMPDw8RIyMjJTMzMzdVVVVbbm5udYSEhI2rq6u3rKysuKioqLO3t7fDxsbG09fX1+Xa2tro1tbW5N3d3evU1NTiysrK2MXFxdPKysrX19fX48TExON2dnbmQ0ND8Dw8PPRAQEDxPDw88y0tLfQgICD2Hx8f9h0dHfAfHx/uHh4e8RMTE/YRERH4CwsL8wYGBu4DAwPuBAQE4wMDA94BAQHqAAAA6gAAAMgAAACQAAAAUQAAAAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAnJycqd3d3fqmpqbSurq66urq6xsvLy9jZ2dnnv7+/y4CAgIhDQ0NIDAwMDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFQAAAIYAAACqAAAAqQEBAcAPDw/jODg43kdHR+JNTU3tUFBQ8Tg4OPY0NDT2Ghoa+xwcHPo/Pz/5PT09+RwcHPUYGBjfEhISrgICArUAAAC2AAAAqwAAAJUAAAC6AAAAzgAAAN0AAADXAAAA2QAAAMMAAAB8AAAADwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAR9fX2G0tLS4cXFxdPT09Pg2dnZ6NfX1+bZ2dno4eHh8N/f3+24uLjFl5eXooCAgIkgICAiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA/AAAAsgAAAOUAAADrAAAA7wAAAO8AAADqAAAA2QAAAOcAAADpAAAAzgAAANYAAADeAAAAtwAAALQAAADhAAAA3QAAAMcAAADMAAAAxAAAAIwAAABBAAAAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAhISEhMwMDAzWFhYXX19fYahoaGstbW1wLy8vMnJycnWycnJ18jIyNbNzc3b0NDQ3tzc3Ovc3Nzr3t7e7tnZ2ejT09Ph09PT4dvb2+ri4uLx4+Pj8uLi4vHk5OTz3d3d8ZycnPdXV1f7NTU1/Dk5Ofo4ODj3NTU1+Tw8PPpCQkL2QEBA8zc3N/Q7Ozv2Ojo6+Dk5OflISEj2T09P9C8vL/UaGhr4FhYW9BcXF/ITExPvDg4O6wcHB+sGBgbLCwsLjwgICFsDAwMLAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAISEhI3R0dHyurq65srKyvra2tsPMzMza1dXV47+/v8yHh4eRT09PVBYWFhcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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jnvr6+y7Kysr6Hh4eQDQ0NDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABLAAAAuAAAAMwAAADoAAAA6QAAAMsAAAC4AAAA1QAAAOAAAADRAAAA5wAAAOoAAADFAAAA0gAAAOYAAADKAAAAxAAAANYAAADSAAAAxQAAAK4AAACFAAAAIgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICSUlJShWVlZci4uLlampqbWvr6+7tbW1wcTExNHJycnXzs7O3M/Pz93Q0NDfz8/P3czMzNnMzMzZ29vb6t/f3+/c3Nzq4eHh8Nra2und3d3r4ODg7uHh4e/n5+f35+fn9ufn5/bp6en46Ojo+Ojo6Pbe3t72kpKS9kpKSv0yMjL9R0dH+jg4OPw6Ojr8RERE/UdHR/5OTk79RkZG/UZGRvxVVVX7SkpK/E5OTvxRUVH8Q0ND+1NTU/xXV1f7MTEx+xAQEP4NDQ39Dw8P/RISEv0dHR37NDQ0+F1dXfmLi4v0zs7O4MrKyte3t7fEkJCQmmtra3JNTU1RMTExNBAQEBIWFhYXX19fZbGxsb2+vr7KvLy8yMXFxdLPz8/dycnJ15qamqVsbGx0KSkpLAEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEAAwMEAQcHCgANDREAEhIYABQUGwAXFh4AHBwlACAgKwAmJjMALy8/ADU1RgA7O08APT5SAD49UgBHRl4ASkljAE1NZwBTUm8AWVl3AFpaeQBcXXwAY2KEAGJigwBlZogAYmKEAGFhgQBlZYcAYGCBAGlpjQBubZMAbm6TAHFwlwB0c5sAd3aeAG1skQBnZ4oAamuOAGtskABtbZEAc3KaAHNymQBxcJcAbWyTAGdnigBhYoMAX19/AGJhggBiYYIAZ2aKAGFhgQBeXX0AYWGBAFlYdwBTUm4AUE9pAEhIYABBQVgAPDxQADo5TQA4OEsAMC9AACkoNgAgICsAHh4oABsbJAAYGCAAFRUcABEQFgEJCQ0ABQUHAAQEBQACAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwAAAHoODg7GEhIS8BISEvcnJyf2SkpK83FxcfBWVlbyOTk58iIiIvkaGhr9Ojo68ywsLO4RERHnBgYGvwAAAJIAAACqAAAAtQAAAK4AAACZAAAAtgAAALwAAAC1AAAAwgAAAOIAAADHAAAApwAAAIgAAAAsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAW1tbYc/Pz93MzMzZysrK2NnZ2ejl5eX05OTk89zc3OvS0tLgtra2wqOjo66hoaGsLi4uMgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAABbAAAAoAAAAMMAAADeAAAAzQAAALIAAADOAAAAzwAAAMEAAADUAAAA6wICAtICAgLMAQEB5AICAuIHBwe7BQUFtgICAt8DAwPPAAAAtgAAAKcAAACLAAAAJQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGBiAgICJGRkZLfX19hpubm6Wpqam0srKyvrW1tcG3t7fDxsbG08zMzNnS0tLg0tLS4dnZ2ejd3d3s5+fn9+jo6Pfq6ur54+Pj8tjY2Oba2tro6enp+enp6frm5ub16Ojo+Ovr6/vr6+v77Ozs/evr6/vr6+v76+vr++zs7PrJycn7a2tr/i8vL/4yMjL9Ozs7/jQ0NP1AQED+RERE/kVFRf09PT39T09P/W5ubv1SUlL8SEhI/lJSUv04ODj8Pz8//EdHR/s7Ozv6QEBA+ysrK/wRERH+Ghoa/R8fH/4tLS38MDAw/VRUVPyHh4f20dHR6+Li4vDi4uLx39/f7tfX1+bW1tbkxMTE0bS0tMGQkJCZc3Nze4+Pj5m7u7vHxcXF0sDAwM3Ozs7c2NjY59PT0+KxsbG9dnZ2fjk5OT0HBwcIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEABgYKAA8PFQAaGiMAJiUzADIxQgA+PVIARERbAE9OaQBfXn8AY2KFAGxskQB4eKAAenqjAHt6owCAf6sAhISwAIyKuwCTksMAl5bJAJGQwgCQkcEAkJDBAJGSwwCXlssAl5bKAJWUxwCTk8UAlZXHAJ2c0QCendIAnZvQAJeWygCUlMUAlpXIAJyb0QCendMAn57UAJ6c0gCcnNEAnZ3RAJyc0QCYl8sAmZnNAKCf1QCko9sApaXdAKGg1gCamc4AlpXJAJiWygCXl8sAk5LDAJSTxQCZmc0Anp3SAJiYygCYmMsAmJjLAJeXygCXl8oAkpPEAJKTwwCSkcIAjo28AIyMuwCMi7sAjIu6AI2LuwCEgrAAenqjAHZ1nQBwb5UAbmySAGVkhwBcXXwAVlZzAFRTcABLSmQAQkFXADMzRAAnJjQAHh0oABMTGQAHBwoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAbGxseUlJSV4aGho+qqqq1xMTE0szMzNrS0tLg0NDQ3b29vcjDw8PQ0dHR39TU1OLi4uLx5OTk8+Li4vLi4uLy3d3d69vb2+rY2Njn4ODg7+bm5vXn5+f24uLi8d/f3+7l5eX15ubm9unp6fjq6ur55ubm9ujo6Pjt7e397+/v//Hx8f/v7+/+7e3t/fDw8P+zs7P/S0tL/zw8PP47Ozv8KCgo/yYmJv9BQUH+Pj4+/lVVVf6UlJT5bm5u90FBQfpBQUH9Jycn/ikpKf5AQED9QEBA/UlJSfxJSUn9SUlJ/UxMTPwjIyP+FhYW/hoaGv4dHR3+LS0t/0tLS/2Tk5P43d3d8ubm5vXl5eX24+Pj8+Tk5PTp6en56urq+uTk5PPg4ODv3d3d7Nra2unb29vq29vb6d3d3evl5eX15ubm9unp6fnr6+v76+vr++fn5/fR0dHfmpqapU1NTVIwMDAzCgoKCwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBAALy4+AE5OaQBoZ4oAeXmjAIqJuACSksMAj46+AJKSxACdnNIAn57UAKGg1wCjo9oAo6LZAKOi2QCjo9sApqXdAJ2c0QCYmMsAkJDBAI6OvgCCgq4AeHegAHh4oQB5eqIAc3SaAGZmiQBdXHwAU1NvAE5NZwBERFsAPj1SADU2SAAtLT0AKSk4ACcnNAEkJDEAISEsAB0dJwEcHCUAHR0mABsaJAAaGSIAGRghABcWHgAYGCAAFRUcARERFwEQEBYAExMZARQUGwERERYBDg4TAQ0NEwENDRIADAwPAAsLDwALCw8ACwsOAAwMEAANDRIBDg0TARIRGAAVFBsBGBchAR4dJwAlJTEAJyc0ACoqNwAsKzsAMjFBAC0tPAAvLz4AOTpMAEFCVwBDQ1kAREVbAEpLYwBUVHAAXVx7AGxrkAB0c5sAcXCWAHJxmAB9facAhYSyAIqItwCRkMEAk5PFAJqazQCbms4AlZTHAI6OvwB5eKEAVVRxACMjLwAGBggAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0NaGhobHp6er0lJSXzFxcX/BUVFfwVFRX4Pz8/6ktLS/I1NTX5GBgY9iIiIt0cHBzLFBQU5xwcHOgwMDDgJCQk2BAQEMYAAAC4AAAAogAAAK4AAACuAAAAsQAAALwAAADeAAAA1gAAAK4AAACyAAAAbgAAAA4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGBnt7e4TKysrY0tLS4MzMzNnMzMza2tra6dfX1+XOzs7dycnJ16qqqracnJynlZWVnxcXFxkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAODg4PLy8vMUpKSlA9PT2oHBwc6BAQEPceHh7zMDAw8ysrK/MrKyv1Jycn9hgYGPotLS32OTk59BoaGvscHBz7Pz8/9kpKSvFJSUnzWFhY9ExMTPRQUFDxSUlJ7U1NTe2RkZHhysrK2MzMzNq9vb3Kv7+/zL29vcrBwcHOo6Ojr3t7e4NGRkZMHBwcHgICAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICIiIiJE5OTlSCgoKLqqqqtbi4uMW/v7/Ny8vL2cfHx9XKysrXzs7O3cbGxtPNzc3bzMzM2s3NzdvOzs7by8vL2djY2Obb29vp5eXl9OTk5PTg4ODv4+Pj8+jo6Pfo6Oj36+vr++rq6vnp6en55ubm9urq6vne3t7sxMTE0r+/v8y1tbXBsbGxvaurq7ekpKSvpKSkr56enqZxcXG1MzMz2i0tLeAfHx/zEhIS+iAgIPc6Ojr3TU1N+Zubm/KTk5P5UlJS/UBAQP0nJyf+HR0d/jMzM/5AQED9QUFB/TExMf05OTn9SEhI+kFBQfodHR38Dg4O/hQUFP0eHh7+Ozs7+l9fX/elpaXy5+fn9evr6/rr6+v76urq+urq6vrr6+v76Ojo+Onp6fjm5ub26Ojo+Ofn5/fj4+Pz3Nzc6+Hh4fDm5ub16urq+uvr6/vs7Oz77Ozs/O3t7f3r6+v72NjY5rS0tMB/f3+HNTU1OAICAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMEACUkMQBUVHAAeniiAI+OvwCams4Ao6LaAKWk3ACmpt4ApaTcAKCg1gCWlcgAjoy9AIWEsQB4eKAAbm6TAGVjhgBYV3YATk5pAEBAVQA1NUcAKys6ACEgKwAZGSEBFhYdAA0NEgAICAsABgcIAAMEBQABAQIAAAAAAAAAAAEAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAAEAAwMEAAYGCQAKCg0ADAwPAA8PEwAUFRsAHBwmACcnNQA1NEcARURbAFdXdABwb5UAgYCsAJeWyQCfntUAmZnMAH9/qgBNTWgAGBggAAEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKC0VFRUqCgoKLlZWVn6CgoKt0dHR9Nzc3OjAwMDMNDQ0OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPDw8QampqcpCQkJqrq6u2ysrK2M/Pz96tra3Lu7u70svLy+aCgoLoLi4u7wwMDOsBAQHmAAAA5wAAAOQGBgbjFxcX7R0dHewkJCTtGBgY7RQUFOoFBQXaAAAAugAAALgAAADHAAAAuQAAAJYAAABfAAAAEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dHR63t7fC3t7e7dbW1uTNzc3a4eHh8efn5/bc3Nzq1dXV4tPT0+HPz8/d1dXV483Nzdu3t7fEurq6x76+vsvKysrXycnJ18zMzNrMzMzaz8/P27+/v+BlZWXzTU1N9y8vL/svLy/1LCws8isrK/gnJyf2Nzc36DMzM90PDw/LBQUFuAYGBpEBAQGuAAAAuAEBAakAAAChAAAAoQEBAZgDAwNKCQkJDxEREREmJiYpSEhITWdnZ22NjY2Wrq6uuby8vMjJycnWwcHBzsvLy9nT09Phz8/P3cXFxdPNzc3b19fX5dLS0uDJycnWt7e3xIyMjJVISEhNGhoaHAICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQwMDAzfX19hru7u8e7u7vIvr6+y8zMzNrPz8/d3Nzc69zc3Ovc3Nzq4ODg797e3u3h4eHw4eHh8ODg4O/h4eHw4+Pj8t7e3u3i4uLx09PT4a+vr7ulpaWweXl5gEhISEwnJycpCwsLDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGgAAAKsAAADVAAAA1wAAANEAAACoAAAAlQAAAJ0AAAC2AAAA2gcHB8omJibYIyMj6SIiIuknJyflGhoa5QkJCd4AAADeAAAA1wAAAMYAAACyAAAAqwEBAZwHBwdVFxcXISoqKis0NDQ4Q0NDR15eXmR2dnZ+iIiIkZGRkZumpqaxsLCwvLu7u8fCwsLPzMzM2t/f3+7i4uLy6enp+ezs7Pzu7u7+7u7u/u3t7f3u7u7+6urq+eXl5fTl5eX13d3d7Lu7u8dmZmZsCQkJCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAENDBEAU1JuAHBvlABnZ4oANzdJAAICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAExMZAGtpjgCGhbIAioq5AHNymQAzM0QAAgIDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIuLT8Am5rQAK6u6QBeXXoAAwMFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIyMjJGJiYmmOjo6YqamptL+/v8vExMTSkZGRm2pqanFUVFRZDg4ODwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQE/Pz9EnZ2dp7y8vMjV1dXj1dXV5MHBwc65ubnDz8/P3MbGxtCpqam8REREtQUFBbQAAADQAAAA1wAAAN4EBATuDg4O9hoaGvIYGBj2Dw8P9gwMDPUGBgbfAAAAyAAAALYAAACZAAAAYAAAACoAAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAsLCwuDg4OMycnJ183NzdvJycnWxsbG1NHR0d/S0tLg3d3d6+Pj4/Pd3d3s3d3d7N7e3u3Q0NDezMzM2c/Pz93Pz8/d0NDQ3tbW1uXW1tbk1NTU4by8vNFbW1vHPz8/vyUlJbMZGRm1GBgY2w4ODvgNDQ32FxcX7RUVFdsEBAS1AAAAtwAAAL4AAADEAAAAtAAAALAAAACvAAAAkwAAAD4AAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQFIyMjJUREREltbW11l5eXoqurq7a1tbXBurq6x8DAwM3Ly8vY2dnZ6N7e3uza2tro1NTU4sbGxtSysrK9dnZ2fjY2NjoODg4OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUFmRkZGuysrK9yMjI1tPT0+LU1NTiz8/P3dPT0+HR0dHf1NTU4t3d3ezl5eX16enp+efn5/bf39/u3t7e7ebm5vbq6ur55OTk88XFxdGwsLC8mJiYoldXV10wMDAzDg4ODwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADgAAACdAAAAswAAALgAAADDAAAAwAAAAMIAAADbAAAA1QYGBsIYGBjiGxsb7B4eHu4cHBzwERER8QgICOkBAQHVAAAAyQAAALwAAAC0AAAApwAAAE4AAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICBgYGBggICAkLCwsMExMTFCoqKi1tbW10sLCwvMPDw9DQ0NDe2dnZ59/f3+7g4ODv4+Pj8uXl5fTe3t7s2NjY5uDg4O/a2trprKysuG1tbXUXFxcYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAERERcAY2KEAHh4oABtbZIAODdKAAICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwYJAFhXdQCIh7cAj4++AH5/qgBLS2QACAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkJCwB0dJsAv77/AMTD/wCrq+IAICApAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbHX5+foaampqktra2wsjIyNbT09Ph19fX5aOjo66AgICJTU1NUgUFBQYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACMjIySHh4ePrKyst83NzdvW1tbkw8PD0LKysr7CwsLPwsLCz6qqqrWHh4ePKioqOwAAAC0AAABdAAAAgQAAAKILCwvTGRkZ7hoaGu8fHx/yFxcX9BoaGuwNDQ3JAAAAnQAAAGkAAAAsAAAABwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgeRkZGb2tra6cnJyda/v7/Mx8fH1eXl5fTk5OTz5eXl9Onp6fjn5+f34+Pj8+Tk5PPW1tbkzs7O3Nvb2+nX19flxMTE0bW1tcCbm5ukampqcDs7Oz4aGhoeBgYGFgEBAQ8KCgpeICAg0RMTE/UMDAz3CgoK+AgICOwBAQHDAAAAuwAAAMQAAADDAAAAvwAAAKwAAABxAAAAIQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQECJSUlKF9fX2Wampqlu7u7yMbGxtPIyMjVz8/P3dHR0d/Nzc3b2tra6N3d3ezOzs7cv7+/zJycnKZZWVlfIyMjJQQEBAUAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgIvLy8zjIyMlra2tsK2trbBxcXF0svLy9nMzMzZ2dnZ6M/Pz93X19fl4eHh8OLi4vHi4uLx3d3d7NbW1uXe3t7t39/f79TU1OK0tLTBmpqapXFxcXpJSUlPHh4eIAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQAAABKAAAAowAAAKkAAAC6AAAAwQAAAM4AAADjAAAA2wICAuETExPrExMT9BAQEPgQEBD4CwsL9goKCuQBAQHGAAAAsgAAAKwAAACQAAAARAAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFxcXGGJiYmmioqKuuLi4xMnJydbNzc3bzc3N29DQ0N7Y2Njm3d3d7Nra2ujX19fl2NjY5ra2tsKIiIiRWlpaYBMTExUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAWFR0AamiMAHx7pQBwb5UAMTBAAAEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAEBAVgB9fKYAiIi1AH1+qABcW3oAEhIYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQFgCMjLsAwL//AMHA/wC4tvQALi0+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUFBX5+foaoqKizqKiotMHBwc/Q0NDe2tra6cvLy9iJiYmTfX19hkhISE4DAwMDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICWdnZ26jo6Ous7Ozv9LS0uDT09Phubm5xbq6usbU1NThxcXF06ioqLNGRkZKAgICAgAAAAAAAAAAAAAABgAAABgnJydwXV1d1ltbW+JhYWHmW1tb1lZWVr8sLCxpAAAAEwAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dHR71dXV5N3d3ezi4uLx5OTk9O3t7fzs7Oz87Ozs++3t7f3q6ur65eXl9eXl5fXf39/u0dHR3ri4uMWSkpKdYGBgZjExMTQRERETAQEBAQAAAAAAAAAAAAAAAAAAAAAjIyM2S0tLtTExMd0eHh7mExMT7gkJCeYBAQHNAAAAwAAAALQAAACZAAAAcQAAADMAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgaT09PVZmZmaS6urrHwsLC0M7OztzY2Njm1dXV49bW1uXc3Nzr3d3d7M3Nzduurq66d3d3fzY2NjoMDAwMAAAAAAAAAAAAAAAAEBAQEVlZWV+jo6Ouv7+/zL29vcrKysrY0tLS39bW1uTb29vq19fX5tbW1uXa2trp2tra6dPT0+LX19fl2tra6OXl5fXb29vpwsLC0JKSkptWVlZcMjIyNhERERMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAAARQAAAIoAAAChAAAAtAAAALwAAADPAAAA5AMDA98UFBToERER9w4ODvsODg73Dw8P8g0NDeEDAwO2AAAAlQAAAFMAAAAbAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBFXV1ddm5ubpb29vcrCwsLPy8vL2c3NzdrNzc3b0tLS4Nra2ujb29vq1tbW5dra2unKysrZnp6eqWxsbHMuLi4wBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAdHSgAdHSbAIWEsQBzc5oAKys6AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAAYGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAABASsrOgBtbJEAgYKtAIKBrQBjY4QAGBgfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBABsa44Av77+AMHA/wC4t/YAQD9VAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNTU1nOzs7cxMTE0dDQ0N/Y2Njn0tLS4NfX1+XExMTSmZmZo5GRkZsqKiotAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPz8/Q56enqmzs7O/z8/P3dbW1uXGxsbUxcXF0tjY2OfOzs7burq6xnZ2dn4ODg4PAAAAAAAAAAAAAAAAAAAAAAEBAQFAQEBYkZGRzZKSks6WlpbUhYWFunV1daM9PT1TAgICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAERERETs7Oz+dnZ2p5eXl9efn5/fl5eX15eXl9e3t7f3t7e396+vr++vr6/rq6ur56Ojo9+bm5vW6urrGaWlpcDY2NjoRERESAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4ODhNc3Nzp3BwcLpWVla3RUVFshUVFXwAAABcAAAAUAAAADYAAAAUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABkZGRppaWlxra2tuMXFxdPFxcXSx8fH1dDQ0N7MzMzZzMzM2dvb2+rT09PixsbG05+fn6lfX19lJiYmKQICAgIfHx8hbW1tdLW1tcG2trbCu7u7yM/Pz9zX19fm2tra6c/Pz93X19fm3Nzc69fX1+XNzc3by8vL2d/f3+3t7e395OTk88bGxtOmpqaxeHh4gEBAQEQPDw8QAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgAAAB8AAABWAAAAigAAALQAAADFAAAAyQICAs0QEBDpFRUV9BoaGvMaGhrvIyMj5CcnJ74LCwtpAAAAJQAAAAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMDOTk5PouLi5W2trbDwsLCz8LCws/Ly8vZycnJ2NTU1OLc3Nzq19fX5t3d3ezh4eHw1dXV5LGxsbxwcHB3Ojo6PQ4ODg8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAmJjQAe3ukAIODrwBzc5kAKSk4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0cJgBsbJAAfHukAH18pgBsbJEANjZHAAICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGlqjAC9vPsAu7r6AL28/QC8u/sAwcD/AKmp4QAaGyMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBUVFRV8zMzNnKysrYzc3N293d3ezd3d3s3t7e7eLi4vHPz8/dioqKlIeHh5BOTk5SBwcHBwAAAAkAAAA2AAAAbQAAAIkAAAClAAAAnQAAAIEAAABjAAAAPwAAABMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGBldXV12kpKSuubm5xdPT0+LGxsbTs7Ozv8fHx9TOzs7csbGxvZWVlZ8zMzM2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA0NDRNhYWGJjo6OyYqKisSIiIjCgICAt4SEhLtMTExtBgYGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAkvLy8ya2trc5OTk52cnJymsbGxvb29vcnExMTRwsLCz8PDw9DS0tLg5eXl9OTk5PTd3d3ryMjI1dPT0+Hg4ODu3Nzc69TU1OLW1tblw8PD0KSkpLCPj4+ZISEhIwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dHSpwcHCedXV1p2tra5hkZGSOOjo6UgEBAQIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAlBQUFEi4uLlK2trbm7u7vHxsbG09zc3Orm5ub26Ojo+evr6/vq6ur56urq+uvr6/ri4uLw39/f7uTk5PPf39/u3Nzc7Ofn5/ft7e39zs7O3JWVlZ9/f3+IRkZGSwsLCwwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABUVFR4l5eX15SUlNSamprbjY2NyHx8fLFDQ0NfAQEBAgAAAAAAAAAAAAAAAAAAAAAHBwcHRkZGS5qamqW5ubnGxMTE0dDQ0N7R0dHf0dHR4M7OztzNzc3b09PT4dra2ujExMTRj4+PmVBQUFUdHR0fAgICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA2NUgAeHigAHx8pQBkZIYAFxcfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAwBCQ1oAdnadAG5tkQBLSmQACAgLAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcJQBsa48AenmjAHp5owBubZQAOjpNAAICAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGZmigC/vv8Au7r6ALy7/AC7uvoAwcD/AKCf1QAWFh4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABERFwAXFx8ACwsPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEREREpmZmaLNzc3aurq6xs3NzdvV1dXk2dnZ593d3ezV1dXjvLy8yJaWlp6KioqXMzMzZAEBAWgAAAClAAAAvgAAAMcAAADOAAAA0QAAANAAAADJAAAAtAAAAJAAAABTAAAAFgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALS0tL4+Pj5mhoaGsysrK18XFxdKzs7O/v7+/zNbW1uTHx8fUrq6uulpaWmEEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUFB1hYWGKjY2NyY+Pj8ySkpLRhoaGvoGBgbdKSkpqBQUFCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDIiIiJFhYWF6NjY2Wnp6eqaioqLOysrK+tbW1wbq6usbAwMDMw8PD0cXFxdOxsbG9vr6+y87Ozty8vLzJqamptb29vcnY2Njm1NTU4tjY2ObU1NTj1NTU4ra2tsOWlpagKSkpLAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCQkJYmJidmVlZeQpKSn4ExMT9hwcHPUmJib6Kysr+zIyMv0sLCz+HBwc/i4uLvcuLi7mHBwc7icnJ9gNDQ3CAAAA0AAAALkAAADHAAAA7AAAAO0AAADgAAAAzgAAAJoAAABWAAAAAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAvLy8ykpKSnKqqqrbFxcXRw8PD0LKysr6+vr7K1NTU4s3Nzdq1tbXCVlZWXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJEBAQgRUVFewMDAz6CAgI+gUFBfsBAQH9AQEB/gICAv4FBQX9BgYG/QYGBv4MDAz8FhYW+xAQEPwODg78DQ0N/QwMDP0MDAz9CAgI/AgICPMGBgbOAAAAiwAAAC0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALy8vMp6enqm+vr7LyMjI1sjIyNXV1dXk2dnZ6NDQ0N7T09Pi1dXV48bGxtS0tLTAlJSUnh4eHiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKysrPXV1daeBgYG4f39/tHl5eaw+Pj5YAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADw8PEGpqanGbm5ulnJycp7a2tsLT09Ph3Nzc69zc3Ova2tro2NjY5s7OztzW1tbl3d3d7NDQ0N2jo6OuhYWFjkBAQEUNDQ0PRkZGS5ycnKbAwMDNu7u7x7Ozs7/AwMDMwsLC0MLCws/Hx8fVvLy8ya6urrmXl5ehZ2dnbyoqKi4EBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAAAGwAAAFgAAACSAAAArwAAAMgAAADeAAAA6AAAAO0AAADwAAAA8QAAAOoAAADIAAAAhgAAAD8AAAANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgZUFBQVnx8fIWDg4OMX19fZS4uLjEFBQUGAAAAAAAAAAABAQEBS0tLbIqKisWQkJDMm5ub3JKSktCGhoa/XV1dhQ4ODhMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBABOTGcAe3qjAHZ1nQBTUm4AEBAWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQYBAwIEAAAAAAAAAAAAAAAAAAYGCQEJCAsAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADs7TgBwcJYAaWiMAFBRbAAODhMAAAAAAAAAAAAAAAAAAAAAACQjMABxcJcAenqkAH5+qAB0c5oAT09rAAgICwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABUVGwCbms0AtbTxALCv6wC/vv4Avbz8AL69/QC/vv4AhYWyABEQFwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQAJCAsAbG2RAMLB/wC/vv4Av77/AL++/wC/vv8AvLv7ALu6+ADAv/8Av77/AL69/gC+vf4AvLv8ALi39gC4t/QAvr39AL++/wC/vv8Av77/AF1cgwEAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsRAEA/YgCEgsMAra3/ALW0/wC+vf0BfHymASQkMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHBwcKj8/P7A3NzfxIiIi+yUlJfkoKCj5LCws/DMzM/weHh79FhYW/jk5Ofw5OTn6JCQk7zMzM+MZGRnoBQUF2gAAALQAAADWAAAA6AAAAOcAAADiAAAAugAAAJgAAABYAAAAAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4ODg5lZWVsmZmZo8bGxtTi4uLxz8/P3cPDw9DIyMjWvr6+y7W1tcKIiIiSGBgYGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQE/CgoKxwgICPcHBwf5CAgI+gYGBv0FBQX+CQkJ/RgYGPkfHx/2ExMT+CUlJfNDQ0PvPT099B4eHvgYGBj5FxcX+goKCvwFBQX7AgIC9wAAAPIAAADuAAAAvAAAAGUAAAAMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHBwcH6SkpK/ExMTSyMjI1r29vcnDw8PQ2tra6MDAwM3BwcHOxcXF0sTExNGpqam1mZmZpCkpKSsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDPDw8VoKCgrmHh4fAfn5+s3Nzc6Q2NjZNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYHWVlZX52dnaimpqaxurq6x8PDw8/Nzc3bzs7O3NbW1uXc3Nzr2NjY5ubm5vXe3t7syMjI1aqqqrd5eXmBNDQ0OAAAAAAAAAAAAAAAACcnJypxcXF5mJiYoampqbOfn5+qsbGxvsfHx9XS0tLh2dnZ6MvLy9nLy8vZxMTE0ZWVlZ5JSUlOEhISFAAAAAAAAAAAAAAAAAAAAAEAAAAsAAAAdQAAAJcAAACwAAAAzgAAAOgAAADvAAAA8wAAAPgAAAD6AAAA+AAAAPQAAADoAAAA1wAAALkAAABvAAAAKQAAAAUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlJSUofX19hpqamqW4uLjFvb29yp+fn6tnZ2duJiYmKQQEBAQAAAAAQUFBXJSUlNKSkpLQlZWV1YmJicN8fHyxYmJijBgYGCIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBABLSmQAfXynAHNymQBHR18ADQ0SAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADw4UADAwQABIR2AAPDxQABkYIAAFBgcAExIaAEJBWABGRV0AIB8qAAoKDQACAgIAExMaABwbJAAJCQwBAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcJAFJSbQB7eaQAbm2SAExMZgAMDBAAAAAAAAAAAAAAAAAAAAAAACcnNQBvcJUAhoazAH+AqQB0c5oATU1nAAcHCgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASwtPQCtrOYAubj3ALKx7wC+vf4Avr79ALy9/ADEw/8AUVBrAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAgA0NEYAr67qAMC//wC/vv8Av77/AL++/wC/vv8Au7r5ALy7+wC/vv8Av77/AL++/wC+vf4Avbz8ALq5+QC5uPcAvbz9AL++/wC/vv8AwsH/AKWk5AAgIC8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAjIzIAqKjlAMHA/wC6uPgAOjpPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACRoaGok2NjbmKSkp+igoKPsrKyv7MjIy/DQ0NP0bGxv+IiIi/kBAQP01NTX+MTEx9i8vL+gZGRntGBgY1woKCr4AAADbAAAA3QAAAOQAAADWAAAAogAAAJ0AAABcAAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADY2NjmWlpagsLCwvNzc3Ora2trpyMjI1r6+vsvMzMzat7e3w6WlpbFWVlZbAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABYCAgKCBwcH5wkJCfwNDQ37BgYG/QoKCv4ZGRn8Jycn+y4uLvQkJCTyIiIi8i4uLu0zMzPsHR0d9RgYGPojIyP0GRkZ7AUFBfYAAAD6AAAA8QAAAPEAAADrAAAAvAAAAHMAAAAoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGRkZG6Ghoa3Nzc3axsbG08TExNLJycnX39/f7tbW1uTNzc3b19fX5dXV1eO7u7vHo6OjrjU1NTkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQGR0dHZoSEhLuBgYG4d3d3qWlpaZYqKio8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQJHR0dNkpKSnJqamqXBwcHO1tbW5d3d3ezS0tLgz8/P3tbW1uXR0dHf3d3d7NfX1+bGxsbTpKSkrn5+foY0NDQ4AgICAgAAAAAAAAAAAAAAAAAAAAAPDw8RU1NTWZmZmaO0tLTAu7u7x7m5ucbLy8vY1dXV5NTU1OLMzMzaz8/P3dHR0eCxsbG9bGxscywsLC8HBwcHAAAAAAAAADYAAAB8AAAArgAAALUAAADAAAAA0wAAAN8AAADkAAAA5wAAAO4AAADzAAAA9QAAAPUAAADtAAAA5wAAAOQAAADKAAAAigAAAD8AAAALAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAODg4Pa2trcpaWlp+ioqKtxcXF0s7Ozty/v7/NmJiYolhYWF4ZGRkaMTExRn19fbJ+fn6zjY2NypSUlNKLi4vGcXFxoiIiIjAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBQBSUW4AgYCsAHR0nABXVnMAEREWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQFQAzM0UAXV19AHl5ogB/fqkAcnKXAFVUcgIZGSEANjZKAIiJtgCKirgAbm6UADAxQQAMDBAAQD9VAF1dfABRUW0AIyQwAAMDBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhIYAGRjhgB1dZ0AbWySAEdGXgAHBwkAAAAAAAAAAAAAAAAAAAAAACYlMgB8fKUAiYm2AIqJtwB9fqgAUVBsAAgICwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdHXwCwr+wAv77/ALe28wC6ufoAvb39AL69/QC0s+8ANjVHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABMTGgB6eaQAwsD/AMC//wC/vv8Av77/AL++/wC/vv8AvLv7AL69/gC/vv8Av77/AL++/wC+vf4AvLv6ALy7+wC6uvkAvr39AL++/wC/vv8Av77/AMHA/wBlZZAAAQECAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgkAj469AMPC/wC8u/sAfn6oADU1RgAODxQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAICAlkeHh61Li4u4ysrK/kvLy/8Li4u/CoqKv0TExP/JSUl/kVFRf02Njb+RERE/D09PfgmJibzNTU14B0dHeEDAwPiAAAA2QAAAOUAAADFAAAAowAAAIkAAAA3AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKCmtra3Gurq67ycnJ19fX1+XKysrYvr6+ysrKytfJycnXu7u7yJKSkpweHh4gAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADgFBQWmDQ0N8xYWFvwQEBD9EBAQ/SMjI/w3Nzf6Pj4++DExMfUwMDDwMTEx7yQkJOsYGBj2Dw8P/BISEvMQEBDmBgYG6AEBAewAAADqAAAA8gAAAO4AAADcAAAAyQAAAJIAAABDAAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEYGBgYrT09Ph1tbW5dLS0uDU1NTj5+fn9tbW1uTPz8/d29vb6dXV1eO+vr7MoqKirDg4ODwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUHRUVFY319fbGDg4O7eXl5rG5ubp0pKSk6AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBFpaWmCzs7O/sLCwu8vLy9ja2trq1tbW5c3NzdvNzc3b2dnZ6NTU1OLV1dXk2NjY58nJydednZ2odXV1fS8vLzIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAjU1NTh9fX2GmZmZpKioqLOtra25r6+vu8rKytjU1NTj09PT4tXV1eTMzMzatbW1wZmZmaNaWlpfHR0dQQICAoMAAACqAAAAowAAAKYAAADCAAAAzQAAAMsAAADDAAAAyQAAAM0AAADSAAAA3QAAAPMAAAD6AAAA9AAAAOoAAADcAAAAvQAAAIUAAABFAAAAFgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaG2hoaG6bm5umr6+vu7W1tcHAwMDNxsbG07a2tsJ6enqCTk5OXHp6eqyCgoK5mJiY2Jubm9yTk5PSfX19sjY2Nk0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBQBTUm8AgoKuAHt8pQBbW3oAEhIYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgMAICAsAFdWdAB6eaIAjIy7AJaWyACVlMYAgYCrAE1MZwAPDxMARkZeAKGg1gClpNwAl5bKAEVFXQALCw8ASklhAHd3nwCIiLYAcHCVACwrOgEDAwQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEREWAFhYdwBjY4QAaWiMADs7TwACAgIAAAAAAAAAAAAAAAAAAAAAACsrOgB7eaQAhYSxAI2NvQCHh7UAWll4AAgICgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADBwcIAVdXdQCkpNsAv77+ALm49wCysfgArq3+AKSj7ABBP1kAAgIDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAvQACsrOcAwcD/AL++/wC/vv8Av77/AL++/wC/vv8Avr3+AL++/wC/vv8Av77/AL68/QC/vv8Aubn3ALy8+wC6ufgAvLv7AL++/wC/vv8Av73+AMLB/wCko+QAJyc4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBggAhoa0AL++/gC6ufkAv7//ALe39ACZmc0AWll4ABQUHQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADoDAwOXHR0dxS4uLuolJSX7Kysr/SQkJP0aGhr+OTk5/j4+Pv00NDT+TU1N+0BAQPo1NTX6NTU17RUVFfIODg7vBwcH6AAAAOEAAAC2AAAAsQAAAH8AAAAXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKysrLYWFhY6lpaWw0NDQ3tXV1ePKysrYz8/P3eDg4O7X19fmv7+/y2NjY2kCAgIDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDxcXF3whISHVKCgo9icnJ/okJCT8Ly8v/Ds7O/k8PDz5Kysr+zs7O/dGRkbyMDAw8h8fH/gNDQ37DAwM8AoKCt0CAgLoAAAA9gAAANwAAADPAAAA8wAAAOUAAADWAAAAwwAAALcAAABgAAAABQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMDX19fYXNzc3b09PT4dXV1ePR0dHf5ubm9tnZ2efZ2dno29vb6dXV1ePMzMzZwMDAzUtLS1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHBwcKWFhYfYSEhLyBgYG4dXV1p1xcXIMbGxsnAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMAAAAWAAAAKAAAADIAAAA2AAAAMAAAABgCAgIHNzc3OqKioqy1tbXBwsLCzsDAwM3AwMDOsbGxvb+/v8vIyMjWyMjI1tPT0+La2trp2NjY57u7u8eIiIiSQEBARQICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAREREST09PVI6Ojpirq6u2tbW1wcrKytjKysrYx8fH1c7OztzX19fm2NjY59LS0t+8vLzVZmZmxx4eHrsGBga5AAAAqgAAALgAAADMAAAAxwAAALcAAAC5AAAAwgAAAMIAAADHAAAA0QAAANcAAADVAAAA5wAAAOgAAADYAAAAxwAAAMIAAACNAAAAVgAAABcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgcyMjI1dnZ2fqWlpbCkpKSvrq6uur29vcm1tbXBmZmZqpmZmcuWlpbTl5eX15ubm92UlJTTfX19s0NDQ2AEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBABPTmkAhYWyAH19qABTU28ADQ0RAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQAfICoAW1t6AH19pwCJibgAl5fKAI2NvABgYIEAKyw7AQgICwACAgMAUVFsAKam3gCqqeMAmZjMAEtKZQAEBAYBICArAGJhggCDg68Ai4q6AHZ0nQA3N0kABgYIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABBQUHAC0sPAA3NkkANzdJARQUHAAAAAAAAAAAAAAAAAAAAAAAAAAAACQkMABxcJcAg4KvAIeHtAB8e6QAS0tlAAYFBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGCAgJAikpOACHh7QAtrbzALu6+QC3tvkArqz/AW9urgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUHAGhnjADAv/4AwL//AL++/wC/vv8Av77/AL++/wC/vv8Avbz8AL++/wC/vv8Avr3+AL28/QC/vv8AuLf1ALq6+QC9vPwAvbz9AL++/wDAv/8Avr7/AL69/QC8u/8AaWiXAAICAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABUU28AubfzAL28/QC6ufgAuLf0ALm49wDDwv8AwcD/AJmZygA9PVIABQQHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABYAAAB+BAQEpx4eHtkdHR35ISEh/x0dHf4cHBz+Nzc3/jk5Of5ERET9TU1N/DMzM/tCQkL7Q0ND+RcXF/oXFxf3Dw8P9wwMDN8GBga2AAAApAAAAEYAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYGZmZmbLa2tsPKysrY4ODg8NXV1ePFxcXS1dXV49HR0d+/v7/Nm5ubpi0tLTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgcsLCwtX19fdVVVVdI1NTXyMjIy+SgoKPwjIyP9LS0t/UBAQPozMzP9PDw8905OTu1FRUXxMTEx9xQUFPcHBwfwBgYG1wEBAdcAAADzAAAA5AAAAMcAAADaAAAA6QAAAOAAAADXAAAAwAAAALQAAABdAAAAAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsLDHt7e4PJycnWvr6+y8jIyNXOzs7b5+fn9+Li4vHW1tbk0tLS4M7OztzAwMDNra2tuEtLS1AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCgoOWVlZfoGBgbiAgIC3c3Nzo15eXoUbGxsmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAAAAJQAAAFIAAAB8AAAAlwAAAKUAAACkAAAApwAAAIcfHx99cHBwn5OTk6i0tLTAzc3N2cTExNG3t7fDv7+/zNTU1OHS0tLh29vb6tnZ2efV1dXjvb29ypKSkps6Ojo+AgICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBCUlJSdxcXF6tbW1wb+/v8zDw8PRwMDAzcnJydfY2Njm39/f7uLi4vCtra3pWlpa7yYmJvAdHR3gEhISywUFBcwAAADHAAAAsgAAALwAAACvAAAAtwAAALAAAADDAAAAxQAAALEAAACyAAAA3QAAAOsAAADcAAAA1AAAANoAAAC/AAAAgAAAAE4AAAAJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhISE0tLS1CFhYWOrKysuLOzs8DExMTQysrK3Lm5uemmpqbhmpqa1paWltaTk5PSfn5+s1JSUnUHBwcKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDBABSU24AiIi2AHt6pABPT2kBCAcKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICwBERFwAdXScAIWEsQCMi7sAamqNAC8wPwAGBgkAAAAAAAAAAAEDAwUAW1x6AKio4QCrquUAlJPFAE5NaAAEBAYAAAAAAB8eKQBdXX0AgYGsAJGRwgCEg7AASUliARIRGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAwEGBggBAgIEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACIiLgB0c5sAfX6oAIeHtQCAf6sATExnAAUFBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAAACADU0RgCgntYAubj4ALu6+wC6ufgAubn+AJaW1QA7OlEAAgECAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABIB8qAKCf1gDBwP8Av77/AMLB/wDAv/8Av77/AL++/wC/vv4Avbz9AL++/gC/vv8Avr3+AL69/gC/vv8At7b0ALa18wC/vf4Av77/ALa1+gCwr/EAvbz8AL69/AC/vv8AnZzgARwcKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dKACqqeQAw8L/AL28/QC6ufgAu7r6ALi39AC0s+8Avbv8AMLB/wC5uPYAZ2aJAAcHCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABGAAAAlAMDA6cSEhLnFRUV/hUVFf4lJSX9RUVF+z4+PvtDQ0P9QUFB/SoqKv48PDz9MjIy/BkZGf0ZGRn7GBgY+icnJ+0hISHSGBgYgAICAhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAiIiIlhoaGj7Gxsb3c3Nzr2NjY5r29vcm9vb3KwcHBzru7u8etra25ZWVlawUFBQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHBwcHMTExNXFxcXihoaGpm5ubvFFRUdo5OTnzKSkp+xsbG/4aGh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irWVlZgB0dHSoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA/P1QAfHumAHh3oABYWHUAEREXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAARERcAMzJEAD09UQApKDYAExMZAAQEBQAAAAAAAAAAAAAAAAAHBwkAMDFCAGZliAB6eKIAaWmMAExMZQAMDBAAAAAAAAAAAAAAAAAACwoOADs6TwBsa5AAenmhAH18pgBwcJUAR0dfABERGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQFBgBGRV0AeHegAJaVyACRkcIAeXihAF5dfQAdHCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAsLDwBVVHEAamqNAGhnigBLS2UAFxceAAAAAAAAAAAAHx4oAHRzmwCIh7YAfHymAGdmiAAaGiMAAAAAAAAAAAAAAAAAAAAAACgnNQB1dJsAh4e1AImJuAB1dZwAKio4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDBAUHAYiItgDDwv8Avbz8ALu6+gC+vf4Avr3+AL++/gC/vv8Av77/AL++/wC/vv8Av77/AL28/AC6uPYCkpHEADo6TQEFBQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQICAwBSUW0Arq3oAL29/QC3t/wAubj+AL6+/gC+vf4Avbz9ALy7+wC9vfwAv77/AL++/wC/vv8AuLf2AK+v6gC7u/oAvr3+AL++/wC5uP8AtbT/AZya0wAdHSYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMzJEAKOj2QC/vv4Avr39AL+//wC0s/8Ar67/AKal/wCmpfoAurj8AL++/wC+vf0Avr3+ALu6+QCzs+8At7b0AL69/gC+vf0Avbz9AL69/QC6uf8Aq6r6ALm4/QC+vf0AwsL/A5aVyQIQEBUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABcXFyJgYGCJkJCQzZaWltWMjIzHmZmZ2ZeXl9iZmZnbj4+PzHt7e69ERERhAQEBAQAAAAAAAAAACgoKCzk5OTx2dnZ9rq6uusTExNHS0tLh0tLS4NPT0+HZ2dno2tra6d/f3+3d3d3r4ODg7+Dg4O/h4eHw4ODg7+fn5/fr6+v76+vr++7u7v7t7e397u7u/u7u7v7u7u7+7u7u/u3t7f3r6+v77Ozs/Orq6vrl5eX05OTk8+Hh4fDh4eHw4eHh8NjY2ObFxcXTpaWlsYKCgopHR0dMGBgYGCYmJjZubm6eg4ODu4eHh798fHywhYWFvIiIiMB7e3urWlpaghERETIAAAA4AAAAVAAAAGQAAABsAAAAWiMjI4BeXl68cHBwv3p6erhkZGSNJycnNwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgdbW1uRenp68VdXV/A3NzfyHx8f9hgYGP4YGBj9FxcX/RQUFPwbGxv6ICAg9hkZGfMICAjhAAAAygAAAKEAAABbAAAACgAAAABAQEBbgYGBt4iIiMF+fn60bGxsmS0tLUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAbAAAAoAAAAOAAAADtAgIC8A8PD/YbGxv8JiYm/C8vL/4sLCz+ODg4+zMzM/ocHBz8ICAg+jQ0NPo1NTX7ICAg/BAQEPgODg7xCwsL5QAAAO0AAADxAAAA9AAAAN8AAADDAAAAjgAAADAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAAALwAAAHMAAACeAAAAugAAAMkAAADPAAAA1gAAAOIAAADkCgoK8RISEvMXFxf0Kioq7UZGRt1jY2O9g4ODn5WVlZyioqKsubm5xszMzNrPz8/c1tbW5Nvb2+nd3d3s39/f7+Hh4fDj4+Py29vb69fX1+bZ2dnn1dXV49LS0uDKysrYu7u7yKmpqbSHh4eQhYWFjpOTk5yqqqq1q6urt6Ghoayfn5+ooKCgwZmZmdOKiorDlZWV1ZaWltaKiorDbW1tmzU1NUsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA/P1UAfn2oAHx8pgBbW3kAExMZAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwQEACYmMwBWVXIAdnSdAHNzmQBeXn4AQUBXAAwMDwAAAAAAAAAAAAsLDwBERFwAdHSbAIKArQB/fqkAbWySADIxQgADAwQAAAAAAAAAAAASERgATkxoAHd3nwCIh7YAhIOxAHJxlwA0NEUACQkNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGCABMTGYAdXSbAJOTxQCOjb0AgH+rAGZlhwAgHyoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQEODhMAGRkiABcWHgAICAoAAAAAAAAAAAAAAAAAJyYzAHh4oACAf6sAgoGuAG1skAAaGiMAAAAAAAAAAAAAAAAAAAAAACwrOgB5eaMAgoKtAIGArABvbpMAJCQwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQIAAAAAAD4+UwC5ufYAxML/AMC//wC/vv8Avbz9AL69/QC/vv8Av77/AL++/wC/vv8Avr7/AL+//gGUk8oCGhklAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQcAU1JvALq5+ADBwP8Av77/AL++/wC+vf4Avr3/AL69/gC9vP0Avr3+AL69/gC/vv8Aurn5ALOz8AC8vPsAv77/AL++/wC8u/8Ae3qwAR0dKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABkZIgBVVXEAmZjMALi49gC/vv4Av77+ALi3/wCpqP4ArKv+AKin/wCsq/8Au7r9AL69/gC+vv4Av77/ALq5+ACvrekArq3qALy7+wC9vPwAvbz8AL++/gC0s/kAkJDSALOy8gC9vPwAv77+ALSz8AAtLT0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQkJDR4eHisk5OT0ZmZmdmXl5fYoKCg5JGRkc+KiorFi4uLxnx8fLI+Pj5ZAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICGhoaHEZGRkt/f3+IrKyst7a2tsLQ0NDe2tra6Nra2ujU1NTj0NDQ3tLS0uDV1dXi2dnZ6OLi4vHn5+f26enp+O3t7f3t7e397e3t/e7u7v7t7e3+7u7u/u3t7f3o6Oj46Ojo9+rq6vrn5+f34+Pj8tXV1ePExMTRq6urt4mJiZJbW1tiLCwsLwoKCgoAAAAABAQEBUZGRmV+fn6ylpaW1JSUlNOCgoK6hYWFvXx8fLB1dXWnSUlJZwQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAACQkJDB9fX2uhoaGvX9/f7Rra2uXNTU1SwEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAiMsLCyeTExM8Tk5OfcnJyf6Gxsb+jIyMvw5OTn7JSUl+ycnJ/k/Pz/xNzc37xUVFfUODg7ZAAAAuAAAAKgAAAB1AAAAIgAAAABDQ0NfeXl5rYODg7t6enquZ2dnlCQkJDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwAAAAxQAAAOkDAwPwDw8P9xAQEP0iIiL8JiYm/SoqKv4+Pj78NDQ0+hwcHPslJSX7PT09+jo6OvodHR39Dg4O+xISEvIMDAzcAQEB1gAAAO0AAADwAAAA3AAAALgAAAC3AAAAkAAAACIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcAAAApAAAAVAAAAHoAAACOAAAAnAAAAKAAAACcHR0dtkRERM5fX1/MfHx8znt7e7JhYWGGKysrOwkJCQkUFBQVJSUlKDQ0NDg6Ojo+RkZGS09PT1RZWVlfZGRkamhoaG5paWlxY2NjaWFhYWddXV1iTk5OU0REREkwMDA0HR0dHhERERM0NDQ4fX19hpmZmaSdnZ2okpKSnJmZmaOOjo6WZmZmeoeHh7+IiIjCj4+PzJKSks+Tk5PRdXV1pkxMTGwKCgoOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OU0AfXynAHh3oABTU28AEBEXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCQsAOjpOAHFxmACKibgAlZTHAJCPvwBrao0AKys6AAICAwAAAAAAEhIYAEpLYwB5eKEAiIi2AIOCrgB6eaMAOTpOAAQEBgAAAAABAAABABcXHwBVVXIAfn2pAIaGtACQkMEAgH+qAD49UgABAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQcHCgBQUGsAdHOaAJKRwwCOjr0AgoOuAG9vlQAlJjIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJyY0AHR0mwB8e6QAeHehAGFggQAUFBsAAAAAAAAAAAAAAAAAAAAAACwsOwCAf6sAhYWyAIB/qwBwbpQAIiEtAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQBGRV8AmpnSALSy+gC1tP4AtbT+ALu6/QC/vv8Av77/AL6+/gC/vv8Av77+AL++/wBpapoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYIAGBffwC7u/gAwL//AL++/wC+vf4Avr3+AL++/wC/vv8Av77/AL69/gC+vf4Avbz8ALOy7wC8vPsAvr3+AL++/wC+vv8AU1N2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANjZHAJuZzgC+vf4AxcT/ALe28wCUlMcAdHOaAI6NyACfnuwArq76AK2r/wCvrv8AvLv/AL++/wC/vv8Av77/AL28+wCxsOwAqqnjALq5+AC8u/sAvbz8AMC//wClpOMAWFd/AK+t6QDAv/8AwL//ALGw7AAuLj0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAS0tLUB8fHywmJiY16CgoOOTk5PQlZWV1ZSUlNOUlJTSj4+PzH19fbMwMDBEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEGxsbHTIyMjZfX19mhoaGj6CgoKrCwsLPz8/P3dbW1uXa2tro3t7e7evr6/vu7u7+7+/v/+/v7//u7u7+7u7u/u3t7fzs7Oz87Ozs/Onp6fjg4ODv1dXV5MfHx9Svr6+8g4ODjWJiYmk+Pj5CHh4eIAsLCwsAAAAAAAAAAAAAAAAAAAAAHR0dKXJycqKJiYnDmpqa3JmZmdqXl5fXmpqa24yMjMdubm6cIyMjMgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dHSl1dXWne3t7r3t7e7BtbW2bQ0NDXgUFBQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwAAAFIhISG0RUVF9DAwMPkcHBz8MTEx9ktLS/suLi77LCws+T4+PvhAQED3JiYm9iMjI/MaGhrRAAAAvQAAALsAAACWAAAAQwAAAAFERERffn5+tYWFhb9+fn60bW1tnCcnJzgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMAAABdAAAA3AMDA+0NDQ3zFBQU+xUVFf0pKSn9JCQk/ioqKvw9PT34JiYm+iMjI/c7Ozv0QkJC9h8fH/wRERH6ERER9AkJCdsBAQHEAAAA1AAAAO8AAADfAAAAwAAAAK0AAACmAAAAXwAAAAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMAAAAJAAAADwAAAA4AAAAJMzMzToODg7yIiIi+lZWV0oSEhLxiYmKMOTk5UgEBAQIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADExMTR5eXmBpKSksKGhoayRkZGaoKCgq5aWlqA+Pj5CEhISF2pqapeCgoK5jIyMyJWVldSTk5PRd3d3qVRUVHcZGRkkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATExkAYmKCAHx7pQBmZogAJic0AERDXACNjLwApKTbAKGh1wCentIAlpbIAImItwCCgq0AkJDBAKCg1wCgn9UAlJTFAJmZzACnpt8ArKvlALSy7wC6ufgAtbTxAJ+e1QCgn9YAjo69AHl4oQCCga0AkJDAAJaVyACVlccAlpXIAKOi2gCmpd4AqKfgAKOj2gCcm9AAm5vQAKem3gCnpt8AoqHYAKem3gChoNcAlZXIAKWk3AC2tfMAt7b0AK2s6ACXl8kAk5LEAJ2e0gCNjbwAg4KvAJKRwwCentMAkZHDAJSUxgCamc4AhoazAH9+qQCOjb0ApKPcAJ6d0wCamc4ArKvlAK+v6gCrq+UAoqHYAJeXygCWlccAqqniAJ6d0wB4eKEAQkJYAF9ffwCFhbIAnZzRAJeWywCIh7YAjY28AJKRwgCendMAoJ/VAKCf1QCKi7oAhISxAJmYzACams4Al5bJAJmYywCdnNIAlpfKAJ+f1ACfntQAkpHBAJGRwQCSkcMAl5bJAKmp4gCko9sAkZHCAFxdfAAODhMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQB3eKAAwL//ALSz/wC8u/4Au7n5ALSy8AC8u/oAt7b1ALq5+AC+vf4Avr3+AL++/wC+vf4Avbz9AL6//wC9v/8Avrz9AL28/QCwr+oAZ2iLAAABAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABIyMwAZ6e0gCztPAAvLz7ALm4+ACzsu8AtLPwALi39gC3t/QArq7oAKqo4gCxse0At7j1ALu6+QC9u/sAv7//ALe39QC3t/QAs7LuAKKh2ACSksMBHBwmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoJzUApqXeAL++/gC9u/sAt7bzAL69/gC+vf4Avbz8AL69/gC/vv8Avr3+AMHA/wCfn9oALi5CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDBFeXl6Gi4uLxpWVldWnp6fuo6Oj6JOTk9GUlJTSpqam6K6uru+0tLTwvb2958rKytnKysrXz8/P3dPT0+HX19fl2NjY597e3u3g4ODv3d3d7OHh4fHi4uLx3Nzc6t/f3+21tbXuXFxc9T09PflQUFD2PDw8+ygoKP02Njb8SUlJ/UpKSv5gYGD9T09P/Tw8PP48PDz+IiIi/jAwMP1WVlb6SUlJ+T09PftGRkb7QEBA+RgYGP0SEhL9ICAg+yQkJPslJSX8R0dH8GRkZMmKioqxjIyMtZCQkMiWlpbVf39/tXt7e66NjY3IioqKxXFxcaInJyc3AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBkNDQ2BycnKjf39/toKCgrh7e3uvWFhYfA0NDRMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABISEhSbm5u6t7e37LS0tOuzs7Pst7e37Le3t+LCwsLZx8fH1MzMzNrS0tLg3Nzc7NHR0d/GxsbTxMTE0cnJydfIyMjswMDA9MHBwfjBwcH3v7+/78XFxd7Pz8/b1dXV5MvLy9inp6ezhYWFjmFhYWclJSUnAQEBAQMDAwZOTk5xe3t7sHh4eKp6enqvb29vn1dXV3wQEBAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHCmxsbJmVlZXUkJCQzJiYmNiZmZnZiYmJxGdnZ5MdHR0pAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBgab29vdn19fYSlpaWwvLy8yczMzNnDw8PPubm5zrW1temtra3lqamp5qOjo+Kfn5/gjIyMyGZmZpI9PT1WAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPDxQAXVt7AHl4oQB1dZwAaGiLAI2MvACurOgAr67qAKmp4wCWlckAXl5+AGJhggB2dp4AjIy7AJ+f1QCpqeIArKrlAKqp5ACkpNsArq3oALq4+AC3tvQAqajhAKal3gCkotoAjo6+AISEsACXlskAp6bfAJyb0ACVlcgAqqnjAK2s5wCnpt8AnJzQAJSTxQCQj78AmJfLAKGg1wCcm9AAoaDXAKWk3ACYlssAoJ/VALCw7AC0s/AAr6/pAJeXygCVlMYAnJvRAI2MvACFhrIAi4q5AJqYzACPjr4AkpLDAJ+f1QCPj74AdnaeAHp5ogCSksQAmZfLAIiHtgCUlMcAp6bfAKam3gCjpNoAnZ3SAJaVxwCendIAmJjLAHp5owA+PVMARUVcAHx7pQCUlMYAkpLDAIeHtQCRj8EAk5PEAJWUxQCendIAo6LaAJeXygCZmcwAqKniAJ6d0QCNjbwAjY28AJKRwgCBga0Af36qAH59pwBubZIAa2qOAHV1nABycpgAgICqAKGh2ACqqeQAlpbJAFtcegAJCQ0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABkZIQCqquQAurj/ALe1/wC/vv4As7PvALW08QC+vf0AuLf1ALu6+gC+vf0Avr3+AL69/gC/vv8Avr39AL++/gC/v/8AvLz8ALy8/AC5ufcAkJHBAA8OFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCMwAJ+f0wC1tfIAvLv7ALm49wC1tPIAuLj3ALm49wC1tPEArKrlAKel3QCxsOwAtLPwALq5+QC3tvUAv77/ALS18gCztPAAsbDsAJmYzQCSkcIAIyIuAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA9PFEAsbDsAL++/gC+vf0Avr39AL69/gC+vf0Aubj4ALu6+gC/vv8Avr3+AMC//wCjot0AKio9AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB0dKACgn9UAsrHuALi49QC+vf4AvLv8AL++/wDAv/8AvLv7AIyNvABgYIAAqqrjAKuq4wC6ufgAvr39AL28+wC4u/oAq63nAJ+f1ACOjbwAGRkiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUGAHh4oQC2tfMAvr39AL28/ADCwf8CmprOAREQFgCCga4AwL//AL28/QC3t/QAuLf2AMHA/wGZmMwCFhUdAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAmJiY2cHBwn4yMjMihoaHkqamp8LKysvm2trb5t7e3+7a2tv62trb8t7e39r+/v/PV1dXvysrK2LOzs796enqDISEhJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAaGhobgYGBiba2tsLNzc3a09PT4MPDw86urq7Jl5eX1mtra99NTU3yQ0ND+TU1NfIoKCjqJSUl4xwcHM4HBweXAAAAWQAAAB8AAAABExMTGWBgYIiCgoK5l5eX1pqamtuMjIzHioqKxJ6enuKUlJTTfX19sjMzM0kAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBz8/P1t5eXmsiYmJw35+frR5eXmuYWFhixsbGyUGBgYGDAwMDA0NDQ4QEBARFhYWGBQUFBUWFhYWGRkZGhoaGhwUFBQWDw8PEAwMDAwFBQUFAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYImhoaJOIiIjCg4ODu4GBgbmXl5fSuLi48L6+vt+3t7fDwcHBzsrKytfIyMjW29vb6tfX1+WysrK+lZWVoGRkZGkaGhokaWlpln5+frSHh4fAdnZ2qVJSUnQLCwsQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAUBAQFuGhoa+jY2NyZOTk9GNjY3KgICAt1paWoEMDAwRAAAAAAAAAAAAAAAAAAAACQAAAGcAAAC7AAAAzgAAANsAAADhAAAA4wAAAO4AAADxAAAA6wAAAOEAAACxAAAAYQAAABYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHCBQUFBUqKiotPz8/Q1xcXGJ/f3+HiYmJkp+fn6m3t7fEsbGxvaenp7Opqam1t7e3xMjIyNXNzc3bysrK2MjIyNXHx8fVu7u7x8TExNHJycnX1NTU49XV1ePh4eHw5ubm9eDg4O/h4eHw5eXl9eDg4O/i4uLx3t7e7dzc3Ovb29vq1dXV5NnZ2efZ2dno3Nzc69fX1+bX19fm09PT4tbW1uTR0dHf1NTU4dbW1vDDw8P4xMTE97+/v/q5ubn4uLi4+b29vfTJycn13t7e+OPj4/Hb29vp3t7e7OTk5PTk5OT04+Pj8tzc3Ova2tro19fX5dbW1uTY2Njn2dnZ59ra2unZ2dnp4+Pj8uPj4/Lf39/v3Nzc69zc3OzW1tbk1NTU49bW1uXS0tLgzs7O3NTU1OLQ0NDezc3N2tbW1uXd3d3t5OTk8+Tk5PjPz8/9vr6+/b29vf67u7v/ubm5/7m5uf/BwcH8x8fH86ysrMyqqqq3iYmJkhcXFxkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPDxQAQUFXAG5tkwCIh7UAlpbJAJ2c0QCcm9AAnZ3SAJqazwCYmMwAmZnMAIuMugB2d54Aa2yQAGBggABTU28AWlt4AHd3oACLjLoAioi3AIqKuQBwcJYARUZdACYmNAEjIy8ALi49AEpKYgBWVnIAW1p5AEdGXwBCQVcAZ2aJAHR0mwCDg68Af3+qAF5dfABHRl4ATEtlAFdXdABjY4UAbm2SAHd2nwB5eaIAgH6qAIqJuACPjr8AkZDBAJCPvwCRkMEAjIy8AJCPwACVlMYAm5rOAJ6e0wCgn9YAnpzTAJqazwCcnNEAnZ3SAJiXygCZl8oAmpnNAJiYywCTk8UAlZXHAJSUxQCcm9AAo6LaAJuazwCWl8kAm5vPAJyb0ACgn9YAo6LZAKWk2wCenNMAoJ/VAJ+e1ACXl8oAl5bJAJaVyACQj8AAhoWzAH9+qQB8fKYAc3KZAGVliABcW3oAUlJuAEVFXQAwMUIAFRUdAAICAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUJAGNkqACfnf0AoJ/7AGxspQAKCgoAdnW0AKqp/wCtrP8AZGSRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQEBQFzcpoAubn3AL28/QDAv/8Avr3+AL++/wC5uPgAk5LFAEVFXAAcHCUAdHSZAKin4gC2tfgAvLv/ALu6/QC0tvUAmpzSAIyOvgBubZIBExMYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADxAVAIWFsgC3tvQAvr39AL28/QDCwf8Dj47CAgoJDgCEhLAAwL//ALy7+wC6ufkAvLv6AMHA/wCNjLwBDw8UAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAS0tLUBubm6diYmJw5qamtumpqbrrq6u8bGxsfK1tbX4t7e3/ba2tv21tbX2ubm58c/Pz/Hb29vqyMjI1ZGRkZovLy8zAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMjI2lpaWn7i4uMXU1NTi0dHR4Ly8vMi+vr7Jurq6w7CwsMimpqbgnJyc5Hh4eMFnZ2euY2NjpEJCQnAICAgRAAAAAAAAAAADAwMERUVFYnl5eayOjo7Kn5+f4peXl9eLi4vGmZmZ25iYmNmCgoK5R0dHZQUFBQcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFxcXIVxcXISCgoK6eXl5rXR0dKRpaWmVREREYAcHBwkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIyMjMnV1daeKiorFf39/tXZ2dqiAgICzqamp3LCwsMu0tLS/xsbG09XV1ePS0tLg2tra6NbW1uOysrK+nZ2dp35+foYqKio0aGholX5+frN+fn6zc3NzpFlZWX8WFhYfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAklJSWmEhIS8i4uLxpiYmNiNjY3Ig4ODulJSUnQLCwsPAAAAAAAAAAAAAAARAAAATQAAAKMAAADWAAAA4AAAAOUAAADrAAAA8gAAAPcAAADzAAAA8AAAAPEAAADqAAAAwgAAAF4AAAAfAAAAAAEBAQESEhITLS0tMEtLS1BnZ2duhoaGj5SUlJ6cnJynqamptbKysr67u7vIwsLC0Li4uMS4uLjFwcHBzcfHx9XPz8/d2dnZ6M7OztzAwMDNzMzM2tra2unc3Nzr2tra6dbW1uXW1tbl39/f7uPj4/Lk5OT04+Pj8eHh4fDk5OTz5OTk8+bm5vXi4uLy19fX5dXV1ePV1dXj2tra6eLi4vHg4ODw29vb6tPT0+LR0d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C+vf0Avbz8AL28/QC6ufkAf36mAAgICACEgq8AvLv7ALy7+wC7uvkAvLv6AMC//wB6eaMAAwMGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQImJiY3YmJijHBwcKB4eHisjY2NyZaWltSnp6flr6+v8ra2tvu2trb9t7e3+bS0tOq/v7/jz8/P4MbGxtKrq6u3ZmZmbQsLCwwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABMTExRubm51np6eqcPDw9DPz8/dxsbG08rKytfGxsbTtra2xbKystuzs7Pwm5ub1Xh4eKtycnKiampqlygoKDoAAAAAAAAAAA4ODhNXV1d8dnZ2p46OjsmXl5fXiIiIwYGBgbeUlJTTi4uLx3Nzc6QuLi5BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0SUlJSdHx8fLB/f3+2enp6rnt7e7BcXFyDGRkZIwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYJRkZGY4uLi8eOjo7Kh4eHwHt7e7B5eXmtbW1tlpeXl6e4uLjEp6ens7q6usfDw8PQxcXF0srKytjX19flv7+/y5eXl6GMjIyZeHh4n3t7e7CAgIC2dXV1qF9fX4geHh4rAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICA0hISGeDg4O6goKCuY+Pj8yAgIC2eHh4q1NTU3UKCgoMAAAAFQAAAGUAAACfAAAAsAAAALMAAADBAAAA2gAAAOsAAAD1AAAA+AAAAPcAAAD3AAAA9gICAu8JCQnnDQ0N6RYWFu5HR0fpfn5+5ZiYmMi2trbCzc3N2tTU1OLPz8/dzMzM2s3NzdvW1tbk1NTU4tjY2Oba2trq2tra6tjY2ObW1tbk3Nzc6tbW1uTX19fl2dnZ6Nvb2+rd3d3s4uLi8OLi4vLb29vp2tra6Nzc3Org4ODv4ODg7+Dg4O/d3d3t19fX5dXV1ePT09Ph0tLS4MbGxtPDw8PQxsbG1MLCws+3t7fDsbGxvbCwsLyoqKi0qKiotKysrLeenp6pjIyMloqKipSHh4eQf39/h4mJiZGIiIicpKSk3KioqOSoqKjnq6ur7aurq+2kpKTao6Oj0JqamreTk5OclpaWoZycnKaUlJSeqKios7Gxsb2ysrK+t7e3w8HBwc/Nzc3bxsbG08DAwM3Dw8PQycnJ1tra2unLy8vYu7u7yLy8vMnJycnXyMjI1snJydbGxsbUwsLCz8rKytjY2Njn19fX5tHR0d/c3Nzr6Ojo+evr6/vt7e397u7u/tra2v3CwsL/wMDA/r29vf68vLz+ubm5/rm5uf67u7v1qKio0nJycoUODg4PAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgIDAAsMDwAdHScAMjNDAEdHXwBUVHEAX19/AG1skQB0dJsAeXmiAHVznAB4d6AAfX2mAH19pwCDg68AiYi3AIqJuACLirkAjYy7AJCQwQCLirkAiom5AImJtwCKibgAi4q5AIaGtACFhLEAhIOvAImJuACJirgAhoa0AIOCrwB8fKYAdnWeAG9ulQBqaY4AYmGCAFtaeQBYV3UAVlZzAExMZgBISGEARkZeAEREWgA3N0oALC08ACwsPAAlJDEAHx4pAB0dJwEWFh4AEhIYAA0NEgAJCQwABgYIAAQEBQACAgMBAQECAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAzIzSwCxsPEArKz0AHNxogAAAAAAXVuEALSz/wC2tf8AUlJwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsPgCsqu4Au7r/AMC//wGVlMgBDAwQAAAAAAAAAAAAAAAAAAAAAAUcGycAoaHkALa1/AC4uf0DXl5/AQEBAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCQxAKqp4wC+vf0Avr39AL28/QC3t/UBdHSZAQcHBwB+fqkAubj3ALu6+gC7uvoAvLv6AMDA/wBycZgAAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICz8/P1pycnKkhYWFvpmZmdqbm5vcmpqa3KWlpeWwsLDwsrKy9rW1tf23t7f7tra27bu7u93KysraxcXF0bCwsLx2dnZ9EREREwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACsrKy6Hh4eRra2tuMPDw9DBwcHPurq6xre3t8O6urrHtLS0ybCwsN+pqankjIyMxXFxcaJtbW2bTU1NbQ4ODhQAAAAABAQEBTs7O1Rvb2+eiYmJwp2dneCXl5fWf39/tYmJicKNjY3JeXl5rE1NTW4GBgYJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAiIiIvZ2dnk4SEhLtzc3OldnZ2qHZ2dqdDQ0NfBAQEBgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwRWVlZf4eHh8COjo7JgoKCuX19fbJ6enqvR0dHZVxcXGXBwcHOtbW1wbKysr7KysrW1NTU4tLS0uDf39/u39/f7rCwsLyDg4OOioqKrXZ2dqd5eXmsdHR0pl1dXYUgICAtAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICA0VFRWKKiorEiIiIwpCQkM2FhYW9eHh4qlFRUXQMDAwXAAAASQAAAJIAAAC/AAAAsAAAAKwAAADNAAAAzgAAANEAAADjAAAA7gICAvQJCQnxEBAQ8A0NDfgTExP5FxcX+RkZGfofHx/5TExM8n9/f+7CwsLf0tLS393d3ezf39/v4eHh8OLi4vHg4ODv29vb6tzc3Ovd3d3s3t7e7uDg4O/d3d3s29vb6t/f3+7f39/t3t7e7d3d3e3h4eHx4ODg79ra2unY2NjnzMzM2rq6usetra24mpqapIuLi5WCgoKLcHBweGRkZGpSUlJZQ0NDRzk5OTw0NDQ3LS0tMCsrKy4pKSkrICAgIhkZGRoSEhITDw8PEA0NDQ8HBwcIAgICAwMDAwMEBAQFAwMDAwAAAAAGBgYJbGxsmYiIiMKKiorFlZWV1Z+fn+Obm5vcdXV1plFRUXIQEBAVCgoKCg8PDxAQEBASFxcXGBgYGBobGxsdHh4eICMjIyUsLCwvLi4uMSsrKy8nJycqLS0tMDo6Oj0tLS0vKCgoKioqKi0sLCwvLi4uMjAwMDMuLi4xNDQ0NzIyMjY+Pj5CWVlZXpiYmKLDw8PPxMTE0MjIyNbMzMza2tra6ebm5vfR0dH4wMDA/L29vfy8vLz7urq6+7i4uPy2trb5r6+v43t7e54hISEtAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQECAAUFBgEGBwkBCAgLAQkKDQANDREAEBAVABMTGQATExoAExMaABYVHQAWFR0AFxgfABcYIAAVFh0AFBQcABUVHQAUFBsAExIZABMTGAARERgAEBAWABISGQAQEBYADQ0RAAwMEAAJCQwABwcKAAUFBgACAgIAAQEBAAAAAAAAAAAAAAAAAAAAAAEAAAEBAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB8fLQCnqOQAvLv9AICArgACAQIAT1BqAL++/wDAv/8ATk1mAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADQ0RQC2tfMAwsH/AMTD/wClo9wAFRQbAAAAAAAAAAAAAAAAAAAAAAAHBwoAjIy7AL6+/gC3t/QAl5jLACQkMQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMzNFALa18wC7uvoAvbz8AL++/wC+vf0Ba2mOAQYGCAB/fqkAubj3ALq5+QC2tfUAvbz7AL++/wBmZYgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPDw8UUVFRdISEhL2Ojo7LlpaW1Zubm9yWlpbVkZGRzqenp+ewsLDwtLS0+7q6uv26urryuLi438/Pz+PX19flzc3N25+fn6oqKiosAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAj4+PkKBgYGKk5OTnbq6use6urrIvb29yrm5ucbLy8vZxcXF5rm5ufKmpqbkhoaGvoWFhb5/f3+0SEhIZwUFBQYAAAAAJiYmNWxsbJqLi4vGoaGh5pmZmdqHh4e/ioqKxI6OjsqCgoK6ZGRkjhsbGyYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcHBwk+Pj5XcHBwn3l5ea10dHSmdXV1pl5eXoUgICAtAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAfHx8sb29vnZKSktCRkZHPh4eHwYKCgrh8fHyxPj4+WBgYGBmGhoaPx8fH1bu7u8i4uLjF1NTU4tfX1+XZ2dnn4eHh8NLS0uCmpqazn5+fwZKSksSAgIC2dXV1pmFhYYonJyc4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAkBAQFqCgoK4ioqKxJeXl9iKiorEe3t7sF5eXoQODg4yAAAAbQAAALIAAAC2AAAAuwAAANYAAADGBAQEugYGBtgGBgbtEBAQ8CsrK+opKSnwLCws9CUlJfcQEBD9FxcX/BwcHPsSEhL9Hh4e/GFhYfiysrLv2tra6N7e3uzf39/u4ODg7t7e3u3Y2Njn3Nzc6+Pj4/PZ2dnn1tbW5Nra2uni4uLx29vb6s/Pz9y8vLzIqqqqtp6enqmTk5OdeHh4gFVVVVpFRUVKMjIyNh0dHR8UFBQVDw8PEAYGBgcCAgICAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOzs7VYaGhr6Ghoa/kZGRz5aWltaRkZHOenp6rl1dXYUeHh4rAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAqKioug4ODjLOzs7+tra25vb29yb+/v8zAwMDM0dHR3tbW1uXS0tLjyMjI7ri4uPe5ubn4tbW197a2tvi1tbX2rKys74WFhblTU1N3Hh4eKwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA8QFgCXl88Aw8L/AomKuAIFBAYAPDxRAL69/gDCwf8AR0dfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDAXNzmwDDwv8Av77/ALW18QBZWHcAAwMEAAAAAAAAAAAAAAAAAAAAAAAAAAAARERbALi49gC5ufcArq/rAWlqjgAFBAcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPDtPALi39gC7uvkAvbz8AL++/wC+vv4BYmKFAQQEBwB6eaMAtrX0ALm49wC1tPEAvbz8AL69/QBTVG8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB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mZmdmCgoK5enp6rY6OjsqNjY3Jd3d3qjIyMkYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDOjo6UoCAgLeUlJTThoaGv39/f7VtbW2aODg4UAICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBASEhITBpaWmXiIiIwoiIiMKBgYG3hISEvHl5eaw2NjZMAQEBAgAAAAAAAAAAAAAAAB4eHiB+fn6Gvb29ysXFxdK4uLjEtra2w9LS0t/d3d3r1tbW9MHBwfu+vr77urq69b29vfO3t7fgjY2Nm1VVVVo6Ojo+KysrLyMjIyYjIyMmKSkpLF1dXXqQkJDFm5ub0aioqOeoqKjhrq6u57CwsONzc3PfKysr7hUVFfgQEBD6HR0d+BwcHPkhISH8Li4u/UpKSvtFRUX7QUFB+0FBQf48PDz+Pj4+/kdHR/wqKir8HR0d/Tg4OPlERETxPDw86zg4ONRBQUF6MDAwMhUVFRYCAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAsLCxBsbGyai4uLx5SUlNKfn5/joqKi5p6enuB6enqtVFRUeBAQEBYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgKVVVVW6CgoKu2trbByMjI1dbW1uXX19fmyMjI1srKytjZ2dnn29vb6dfX1+XDw8PRwMDAzdvb2+nj4+PywMDAzYqKipRvb291SkpKUU5OTmx/f3+1jo6OyY2NjcqVlZXUoaGh5aCgoOSGhobAYGBgiSsrKz0GBgYIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEiIi0AtrbzALe29AA+PVICExMaAKem3QDBwP8ANzdKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABERFwCTksQBlpXIAkpKYgADAwQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCg1AI6QwQCsrOcAWVl3AAEAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAaGaJAMLB/wCyse0Aurr5AL69/QC8u/sAR0hgAAAAAABraY8AtLLwAKys5gC4uPYAvr39AKys5gAlJDIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABYWFiBJSUlneXl5rISEhLuQkJDNlZWV1JaWltWXl5fXn5+f4ZaWltaMjIzImZmZ2aSkpOqgoKDZpqamzbOzs82fn5+rpqamsbq6usehoaGrZWVlbRYWFhgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAZGRkbe3t7g7CwsLzT09Ph29vb6czMzNrFxcXTycnJ18DAwOC0tLTsrKys6ouLi8J+fn60gYGBuF9fX4YREREYPDw8VWlpaZV0dHSlgICAt4KCgrp6enquioqKxISEhLtsbGybSEhIaAYGBgkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVFRUeXl5eho2NjcmPj4/MioqKxYyMjMdnZ2eSGBgYIwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDBTc3N05zc3OkioqKxHt7e7B/f3+1hISEvHFxcaIoKCg5AAAAAAAAAAAAAAAAAAAAAAAAAAAbGxsdc3Nze6enp7LBwcHOwsLCzsLCws/Ozs7bzMzM5cDAwPa/v7/5vb29+bm5ufC7u7voz8/P48jIyNXAwMDMvr6+y6urq7ampqaxqKios7y8vN+3t7fyuLi49Le3t/a2trb0uLi48b6+vut2dnbkICAg8hUVFfkWFhb8FRUV/BkZGf02Njb8SUlJ+0dHR/tERET9R0dH/jg4OP40NDT+NDQ0/SQkJPohISH1IyMj5iUlJdAVFRXDCwsLqwQEBHgAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABERERgiIiIwoyMjMeXl5fXlJSU05aWltaCgoK6ampqlzMzM0kAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGBpmZmZtqqqqtr6+vsvKysrY2NjY5tbW1uTS0tLh2dnZ59vb2+na2tro1dXV49TU1OPX19fl5OTk89fX1+Wqqqq2hISEjWlpaXAqKiotAwMDAwYGBgpBQUFchYWFvZKSktCSkpLQm5ub3aSkpOmnp6ful5eX2HZ2dqg/Pz9aCgoKDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAABcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKDh+fn6zfX19so6OjsqVlZXUl5eX1ouLi8ZbW1uCQkJCXQgICAsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAT09PUKOjo6Xtra2wsXFxdLGxsbT09PT4tLS0uDOzs7c4uLi8OLi4vG9vb3Ki4uLlF9fX2YnJycqAQEBAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoKCg9ERERhdHR0pYSEhLyNjY3KmZmZ2aSkpOqmpqbsmZmZ239/f7ZSUlJ2IyMjMAUFBQYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoLDgCDgq4Bo6LaBSIiLQAMDBAAm5rOALCw6gAcHCcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC4uPQCfntQAvbz8AIiHtgA+PlQBCQkMAAAAAAAAAAAAAAAAAAAAAAAhISwAoqHYAMTD/wC0tPgBU1J7AAEBAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAERERGTk5OVJmZmaSfHx8sYyMjMeOjo7LkZGRz5aWltacnJzfm5ub3qGhoeahoaHlpaWl66enp++pqanxp6en7piYmNmLi4vGbGxsmy4uLkEICAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGRkZG0dHR0taWlpgMTExNBQUFBYEBAQFDQ0NDm1tbXShoaGrtra2w7W1tcCampqjnp6er6urq9OqqqrjqKio6I+Pj8aDg4O6fHx8sWVlZY9oaGiUfHx8sZmZmdifn5/hjY2Nynl5eayNjY3IjY2NyHZ2dqg0NDRKAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEsLCw+cnJyopKSks+JiYnDh4eHwISEhLxeXl6GDw8PFgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoKCg5ISEhngICAtpKSktGAgIC2e3t7r3h4eKtqamqXJCQkNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMEWBgYG3hISEvIWFhb9/f3+1YmJihzw8PEU+Pj5BNzc3Ozg4ODs3Nzc7Nzc3OkxMTF1/f3+vjo6Ox4mJicGLi4vFhYWFvXh4eKtERERhAwMDBQAAAAAAAAAMAAAALQAAAFEAAAB1AAAAnQYGBs8SEhLvEBAQ8xYWFu0gICDiGBgYtQICAmAAAAAkAAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYGBghbW1uBfHx8sIWFhb6SkpLPmJiY2JmZmdp0dHSkWFhYfS0tLT8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB4eHiGHh4eQpqamsbi4uMXGxsbTyMjI1tTU1OLb29vpvb29ypeXl6J1dXV8Nzc3OwkJCQkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDKSkpOmZmZpGKiorEjIyMx4yMjMaYmJjYoqKi56GhoeaRkZHQd3d3qkBAQFsPDw8VAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEuLTwArazmAW9vlAEBAQEAKio3AFhYcwATExkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIyMvAJubzgC6uvgAfXyoAB4eKAAAAAAAAAAAAAAAAAAAAAAAAAAAAQgICwGGhbEAxMP/AL69/AF+fagAEA8XAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQkJDSQkJDNMTExsa2trmoSEhLyNjY3Jh4eHwY2NjciWlpbWmpqa25ycnN6ZmZnZnZ2d35+fn+Oenp7hn5+f4qOjo+iSkpLQgoKCuFZWVno/Pz9aFRUVHQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEPz8/Q3d3d3+AgICJfHx8hVBQUFUuLi4xOzs7P4eHh5Cvr6+6zMzM2rq6usekpKSxtbW11rS0tOasrKzloaGh2IiIiL2GhobAbm5unWRkZI5vb2+ehoaGvpubm9uRkZHPh4eHwZSUlNSRkZHPhYWFvlFRUXMICAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUFBxUVFR4fX19soODg7t3d3ephYWFvHl5eawwMDBFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHClpaWmWjY2NyYuLi8d9fX2zg4ODu3FxcaJOTk5vDQ0NEgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB8fHyxxcXGheXl5rIODg7p9fX2zX19fiRQUFB4AAAAAAAAAAAAAAAAAAAAAAAAAACAgIC93d3eqjY2NyZGRkc+NjY3IhYWFvX19fbJVVVV4DAwMEgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEScnJ2VXV1e8WFhYuV1dXbBZWVmZKSkpRgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAvLy9Cfn5+tHd3d6mJiYnEj4+Py5SUlNOIiIjCYWFhikxMTGwKCgoOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAhxcXF5oaGhrJ+fn6qtra24urq6x7S0tMGMjIyWY2Njajs7O0AODg4OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABkZGSRdXV2EiYmJwpKSktCXl5fYoKCg5J6enuKcnJzdl5eX14CAgLZPT09xHBwcKAMDAwQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAAEBRkZeAWdmiQEHBwkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALCw0AhoazAKSj2wFWVnMADw8UAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBPawDCwf4Aw8L/AICAqwEQDxUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHChwcHCg+Pj5YYGBgiXR0dKWEhIS8jo6Oy4+Pj8yRkZHPl5eX15qamtuioqLnnp6e4Z2dnd+ioqLmnZ2d352dneChoaHmmJiY2Ht7e69aWlqBNTU1SxERERcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUGV1dXXY2NjZaZmZmjsbGxvI+Pj5llZWVshYWFjZiYmKLBwcHOzMzM2bi4uMaxsbHMuLi456+vr+mrq6vmlZWVy4uLi8V4eHirbGxsmnZ2dqiHh4fAmZmZ2paWltaBgYG3iIiIwpeXl9aJiYnCXFxchBISEhoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBDk5OVFsbGyagoKCuXJycqJ7e3uve3t7sExMTGsHBwcKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBT4+Pll8fHyxkJCQzISEhLx8fHywhYWFvHV1dac+Pj5ZAQEBAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABMTExxtbW2bgYGBuIyMjMiCgoK5Xl5ehiMjIzIAAAAAAAAAAAAAAAAAAAAAAAAAABsbGydvb2+fgoKCuIeHh8GYmJjYkZGRzomJicNpaWmVEBAQGAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDA0pKSmaGhoa8g4ODt39/f7JxcXGeIyMjMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYIUFBQcXBwcKKCgoK5jo6OyZeXl9eioqLnhoaGvlxcXIMmJiY2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVFRUWJycnKUFBQUVZWVlfQ0NDRyEhISQaGhocCwsLDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0SPT09V3FxcaF/f3+2jIyMxpubm9yjo6Pppqam7KCgoOSQkJDMaWlpljY2Nk4ODg4VAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCQwAP0BUASYlMwABAQIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICArAKem3gDGxf8AkJC/ABgYIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBhUVFR43NzdOVlZWeXNzc6WIiIjBiIiIwYWFhb6NjY3IlpaW1p2dnd+goKDjpqam7aOjo+ienp7hnp6e4aGhoeWjo6Popqam7ZOTk9J0dHSlS0tLaiYmJjYODg4VAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQECWVlZX5mZmaOlpaWvt7e3w7q6use7u7vHv7+/zbu7u8fIyMjVv7+/zKmpqcGxsbHftLS07rGxsfChoaHZhISEt3Z2dqloaGiUbW1tnIKCgrqWlpbXnJyc35WVldWKiorEkZGRz319fbNeXl6FHR0dKQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHR0dKVlZWX9+fn60gYGBt3l5ea2KiorFaWlplhoaGiYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGRkZI15eXod+fn6ziYmJw4ODg7qMjIzHhYWFvGZmZpIcHBwnAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcHBwpaWlqBeXl5rH19fbJ9fX2yY2NjjS0tLUEBAQEBAAAAAAAAAAAAAAAAAAAAABsbGyZycnKihYWFvoqKisSVlZXVk5OT0YWFhb5kZGSNFBQUHQAAAAAAAAAAAAAAAAAAAAAAAAAADg4OFF5eXoV/f3+0eXl5rXl5eaxaWlp/FRUVHQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALi4uQoODg7uBgYG4jIyMx4qKisSTk5PSkJCQzWdnZ5JKSkppCQkJDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHCheXl6GhYWFvZGRkc6WlpbWn5+f4qWlpeuqqqrxnp6e4YeHh8BXV1d8Hh4eKwUFBQcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATEhgAjY28AL+//QB2dZ4AFBMdAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAg0NDRMnJyc3R0dHZWNjY4x3d3eqgoKCuI2NjcmHh4fAioqKxZeXl9aenp7gpKSk6aWlpeqhoaHmnp6e4Z+fn+Kmpqbsp6en7pqamtuHh4fAb29vnk9PT3EsLCw/CwsLEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASkpKT6enp7K1tbXCxsbG1NXV1ePd3d3s0tLS4NjY2ObJycnVq6urv7Kyst25ubnzsbGx8aysrOmXl5fRioqKxXNzc6VnZ2eTdHR0pJWVldWgoKDjjo6Oy4mJicOamprbjo6OynZ2dqg2NjZOAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0TRkZGZHp6eq+Dg4O6cHBwoICAgLZ2dnanNDQ0SQEBAQIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICOzs7VHx8fLGRkZHPiYmJxIeHh7+Ojo7KhYWFvU1NTW8GBgYHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQFLS0treHh4q4KCgrqIiIjBc3Nzoz4+PlgEBAQFAAAAAAAAAAAAAAAAAAAAABgYGCJ0dHSljIyMxomJicKOjo7KhoaGv4GBgbhtbW2cHh4eKgAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYI2VlZY98fHywd3d3qXJycqNQUFBxCgoKDgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKDm5ubp2NjY3JiIiIwZOTk9GQkJDNlpaW1XV1dadNTU1uJSUlNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwRQUFBXHNzc6OJiYnCk5OT0pycnN2dnZ3goqKi552dnd6RkZHOdnZ2qUZGRmQXFxcfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlJTAAh4a0AE1NZwAEBAUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAhISEhkoKCg5S0tLa2VlZZBvb2+ec3NzpImJicOSkpLQlpaW1o+Pj82VlZXUn5+f4qKiouehoaHlmZmZ2peXl9eioqLoqamp8KysrPSoqKjvkZGRznFxcaJNTU1tICAgLgkJCQ4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAISEhI5aWlp+goKCqwsLCz9TU1OLY2Njn2dnZ59PT0+HGxsbZt7e33ry8vPG5ubn0ra2t5Z6entaNjY3Hd3d3qWtra5hxcXGhf39/tJycnN6ZmZnZgoKCuouLi8WPj4/LgoKCuVVVVXkLCwsPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwUwMDBFaWlplX9/f7V1dXWmcHBwoGxsbJtERERhCgoKDgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATExMbYWFhioeHh7+VlZXUi4uLxo2NjciIiIjCb29vnyYmJjYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAvLy9DcnJyonp6eq2BgYG4fn5+tVJSUnUNDQ0TAAAAAAAAAAAAAAAAAAAAAA8PDxVlZWWRkZGRz4yMjMiOjo7Ljo6OyoWFhb1paWmWICAgLQAAAAAAAAAAAAAAAAAAAAAAAAABMDAwRXx8fLGEhIS8e3t7sHx8fLBNTU1tBAQEBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADExMUWDg4O7h4eHwJqamtqVlZXUjo6Oy4iIiMJfX1+IUFBQcRAQEBcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAiAgIC1YWFh9fn5+s4qKisWQkJDNl5eX15ycnN6jo6Pom5ub3YODg7pdXV2ELi4uQQoKCg4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMACAgKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDBBUVFR8yMjJHTExMbG9vb554eHird3d3qnp6eq6Hh4fBhYWFv5SUlNKYmJjZnZ2d352dnd+dnZ3enp6e4aKiouejo6PooqKi5qCgoOOamprdlpaW1YGBgbddXV2FOTk5URYWFiACAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDA2BgYGapqam0q6urt8HBwc/S0tLh2dnZ6MzMzOG5ubnfurq67by8vPi0tLTvn5+f146Ojsd/f3+1Z2dnk25ubp2Hh4fAnp6e4pmZmdqNjY3JkZGRzpOTk9GKiorFYmJiixMTExsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB4eHitYWFh9fn5+tH5+frNra2uZeHh4qmRkZI8fHx8tAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAE3NzdPgICAtpeXl9ePj4/LiIiIwo6OjsqHh4fAXFxchAkJCQ0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAbGxsmb29vnX5+frKDg4O6goKCumFhYYoaGholAAAAAAAAAAAAAAAAAAAAAA4ODhRra2uZhYWFvnl5ea2BgYG4fX19sn19fbFvb2+eLy8vQgAAAAAAAAAAAAAAAAAAAAAFBQUHR0dHZHh4eKxycnKja2trmV9fX4gnJyc4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkJCQ5ubm6dj4+Py4eHh8CYmJjXlZWV1JmZmdl9fX2yYGBgiTs7O1MBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgMQEBAWnp6eq+QkJDNkJCQzpWVldScnJzeoqKi55+fn+KTk5PSeHh4q0pKSmocHBwoAQEBAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBhYWFh80NDRLUFBQc2lpaZVycnKidnZ2qYmJicKOjo7KjIyMx4+Pj8yVlZXTnp6e4piYmNmIiIjCkpKSz5eXl9eZmZnal5eX2J6enuGcnJzdlZWV1I6OjsttbW2bR0dHZiYmJjYKCgoOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB8fHyGBgYGJp6ens7Kysr+7u7vHvr6+0Lm5ueG6urrwubm58qurq+Sfn5/WkJCQyX19fbJiYmKLbm5unIuLi8WcnJzfn5+f45GRkc+Ojo7Jnp6e4ZOTk9J5eXmuKysrPgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADQ0NE0VFRWJvb2+efHx8sW5ubp2CgoK4cnJyojQ0NEsCAgIDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA0NDRNZWVmAjIyMyJ2dnd+QkJDNjo6Oyo6Ojst7e3uvNDQ0SgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0SXl5ehnp6eq2FhYW9g4ODu2hoaJQqKio8AAAAAAAAAAAAAAAAAAAAAAkJCQ1gYGCJioqKxIWFhb6Pj4/MhoaGv4ODg7t1dXWmPDw8VgAAAAAAAAAAAAAAAAAAAAAPDw8UTk5Ob3FxcaFjY2OOZ2dnklhYWH4ZGRklAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA2NjZMiIiIwIeHh7+QkJDNnJyc36KiouaRkZHPX19fh1NTU3YXFxcgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAh4eHitcXFyDfn5+s4qKisSQkJDNlZWV1J6enuGkpKTpl5eX14KCgrplZWWPMjIySAwMDBEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGCBsbGyc4ODhQYGBgiXp6eq2GhobAioqKxYKCgruEhIS8fn5+s4KCgrmVlZXUnJyc3pubm9yamprbmpqa24+Pj8ubm5vcpKSk6pycnN2dnZ3fnJyc3pKSktF9fX2xW1tbgTc3N04TExMbAQEBAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAjIyMmaGhob5KSkp2YmJinpqamy6ioqNutra3so6Oj4ZSUlM2MjIzEgICAt2BgYIlfX1+HeXl5rIyMjMiUlJTTjo6OyoqKisWfn5/il5eX1319fbI4ODhRAwMDBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQGMjIySGZmZpKKiorEfHx8sXR0dKZ9fX2zSkpKagsLCxAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACkpKTt1dXWnkZGRzpGRkc+BgYG5jY2NyomJicNhYWGKDw8PFgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUHUVFRdHt7e699fX2ze3t7r2VlZZA2NjZOAwMDBAAAAAAAAAAAAAAAAAgICAtaWlqBhoaGv46OjsqgoKDkl5eX1o6OjspxcXGhPj4+WQAAAAEAAAAAAAAAAAAAAAAhISEvX19fh3Nzc6NwcHCfaWlplUdHR2YKCgoOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUHVlZWeoSEhLyKiorFmpqa25WVldScnJzeiYmJw11dXYU9PT1XAwMDBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCgoONjY2TXNzc6OOjo7KlJSU05mZmdmdnZ3gnZ2d4J+fn+Sbm5vcg4ODulNTU3YgICAuAwMDBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAABUVFR9RUVFzeXl5rIODg7t1dXWnhISEu3JycqQzMzNJAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCgoOm1tbZuLi4vGi4uLx4eHh8GOjo7Ki4uLxmFhYYsPDw8VAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHR0dKWtra5l+fn6zh4eHwYWFhb5fX1+IIiIiMAAAAAAAAAAAAAAAAAEBAQJERERhjIyMx4qKisWamprcnJyc3pmZmdqKiorEWlpaggsLCxAAAAAAAAAAAA8PDxZZWVl+enp6rm5ubp1vb2+dYGBgiSAgIC0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDBEZGRmNycnKie3t7sIiIiMKOjo7Jm5ub3YmJicNZWVl/SEhIZwsLCw4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYINTU1S3JycqKQkJDMjo6Oyo6OjsucnJzeo6Oj6aioqO+fn5/ji4uLxmRkZI8tLS0/BgYGCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGCRwcHCg8PDxVVlZWeW1tbZuCgoK5iYmJw46OjsqTk5PRmpqa3J6enuCfn5/jnZ2d4KKiouacnJzemZmZ2p6enuGXl5fYkpKS0JycnN+np6fvnJyc3Y+Pj8t4eHirXV1dhURERGEeHh4qCAgIDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAXFxchTU1Nbm1tbZt+fn6zenp6rm9vb597e3uugoKCuVBQUHI8PDxVcHBwoIiIiMKXl5fYnZ2d4Y2NjcmMjIzHmpqa25CQkM1ubm6dICAgLgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKD0tLS2t4eHiqjY2NyYCAgLZ6enqvd3d3qUlJSWgJCQkOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALCwsPSkpKaXZ2dqmSkpLPkpKSz4iIiMGNjY3Jd3d3qjg4OFAAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKDmVlZZCAgIC3hYWFvoODg7xiYmKMLy8vQgEBAQEAAAAAAAAAAAAAAABCQkJdlJSU0pOTk9KcnJzfnp6e4ZSUlNSFhYW9aGhokxYWFh8AAAAAAAAAACcnJzhycnKifX19sm9vb6BxcXGgVFRUdxAQEBcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABoaGiV5eXmsgYGBt4uLi8aUlJTSnJyc3aCgoON9fX2yY2NjjTQ0NEoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABcXFyFISEhldXV1poGBgbiKiorEkJCQzZmZmdulpaXsoKCg5ZOTk9J6enquRUVFYhQUFBwBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC4uLkJ2dnaofX19sYyMjMd3d3epVVVVeRYWFh4AAAAAAAAAAAAAAAA1NTVLjo6OyomJicSOjo7Km5ub3pWVldSIiIjCZmZmkiUlJTMAAAAAGRkZI19fX4d/f3+1enp6rnNzc6NiYmKMIiIiMQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATExMbZmZmknNzc6R9fX2zj4+PzY6OjsuVlZXUe3t7sFxcXIJDQ0NfAgICAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4ODhNFRUVifX19sYyMjMiJiYnDkZGRz52dneCfn5/jnZ2d4JWVldR8fHywREREYBMTExoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAhISEhouLi5CUVFRc25ubp17e3uwi4uLxoCAgLeCgoK4iYmJw5SUlNOcnJzenJyc3pycnN6ZmZnampqa252dneClpaXqo6Oj6aKiouaXl5fYiIiIwXJycqJbW1uBLi4uQhISEhkFBQUHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAs3NzdPY2NjjYCAgLaLi4vHhoaGv4WFhb2CgoK5c3NzpEBAQFwVFRUeTU1Nbn19fbORkZHOn5+f4paWltaJiYnElpaW1pmZmdqBgYG3TU1NbgoKCg4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA0NDRNKSkpqc3Nzo4SEhLx4eHirf39/tIKCgrlMTExtCAgICwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsLD1ycnKjkpKS0I2NjcqBgYG5kJCQzYqKisRYWFh8CwsLEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGCNqamqXfHx8sI2NjcmBgYG5X19fiCoqKjsAAAAAAAAAAAAAAAAjIyMyf39/tIqKisWJiYnEj4+PzI6OjsqDg4O6ampqmDAwMEQCAgICOzs7U3x8fLCFhYW9eHh4qnl5ea5eXl6GERERGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPT09V4aGhsCDg4O8lZWV1ZSUlNOZmZnZnp6e4W9vb59gYGCJIyMjMQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBIyMjMWJiYoyKiorEkpKS0ZSUlNKdnZ3gpaWl66ampuycnJzefn5+tFFRUXMeHh4rAwMDBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKDmMjIzGkJCQzpiYmNienp7hoKCg5JycnN2BgYG3aWlpljw8PFUBAQECAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHh4eK1tbW4CDg4O6kJCQzZSUlNKfn5/io6Oj6KKioueVlZXTf39/tU1NTW4YGBgiAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQIPDw8VMTExRlZWVnpwcHCfdnZ2qH19fbGLi4vFi4uLxoyMjMeZmZnam5ub3aCgoOShoaHmoKCg5Z2dneCbm5venp6e4ZKSktBzc3OlUFBQcjIyMkcXFxchCAgICwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBCwsLEBsbGyag4ODu42NjciVlZXVk5OT0YyMjMiRkZHOdHR0pjIyMkcDAwMFFxcXIV9fX4eDg4O7nJyc3pycnN6MjIzIjo6Oy5iYmNiNjY3Ibm5unTIyMkgBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAeHh4qVVVVend3d6p/f3+0cHBwoISEhLx4eHirNDQ0SgICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUFBQdV1dXfH5+frSRkZHPeHh4q3l5ea2Ghoa/bm5unSQkJDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVFRUeYGBgiHFxcaGBgYG3enp6rllZWX4mJiY1AAAAAAAAAAAGBgYJX19fiI+Pj8yLi4vHmZmZ24+Pj82JiYnEd3d3q1xcXIRTU1N2f39/tYGBgbl5eXmsf39/tVdXV3wLCwsQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAVVVVV6mJiY2ZOTk9CdnZ3fm5ub3aGhoeakpKTqgICAtmpqapcfHx8tAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoKCg4/Pz9ZcnJyoo+Pj8uRkZHPkZGRz5iYmNidnZ3fl5eX2ICAgLddXV2GKysrPAUFBQcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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wdVlZWcJubm9ibm5vVpaWl5qqqqu6rq6vyr6+v95aWltCBgYGtXl5eej09PUEsLCwuIyMjJRkZGRoVFRUWEREREgsLCwwFBQUFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA0NDRJFRUVic3NzpHl5eax7e3uvkZGRz6SkpOqgoKDklJSU03d3d6pHR0dmFhYWHwEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA8PDxAuLi4xWFhYXX5+foeLi4uUnp6eqK2trbiysrK+rKysuKOjo66RkZGbjo6Ol56enqifn5+qm5ubpZ+fn6qWlpahjo6OmIaGhpCFhYWOgYGBinl5eYBycnJ6dnZ2fnh4eIB2dnZ9e3t7hHBwcHdoaGhvW1tbYU1NTVNPT09URkZGS0BAQEQ3Nzc7NjY2OTQ0NDcvLy8yJCQkJyAgICISEhITCgoKCwgICAkHBwcHAQEBAQEBAQEDAwMEAgICAgICAgIBAQEBAgICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgYGCR0dHSpKSkppb29vnn5+frN/f3+0gYGBuIODg7uFhYW+ioqKxIaGhr+Li4vGk5OT0Y+Pj8yNjY3KhISEvHFxcaNSUlJ2MTExRxkZGSQFBQUJAAAAAAAAAAAAAAAAAAAAAAEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgLMzMzSWBgYIhtbW2bgICAt4iIiMKPj4/MkpKS0JeXl9d4eHirOTk5UQsLCxAAAAAACAgIC0tLS2t0dHSmjo6OypqamtyVlZXVioqKxJaWltabm5vehYWFv1JSUnYNDQ0SAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFBQUHNzc3T2xsbJqJiYnCgICAt3p6eq6FhYW+ZGRkjh8fHywAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHCkFBQV11dXWniYmJxIaGhr+EhIS9g4ODu3d3d6o7OztUAQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhISGm5ubp14eHisenp6rn9/f7VaWlqAKioqOwICAgQAAAAANzc3TYuLi8aMjIzIkZGRzpCQkM2JiYnEjY2NyZOTk9KRkZHQfn5+tHl5eax5eXmtQUFBXQMDAwQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFhYWGDAwMDRCQkJGTk5OU29vb3aTk5OdsLCwvLu7u8i3t7fCwcHB0MTExPK6urr4urq697i4uPq2trb8tra2/Li4uPy3t7frvb296cHBwdnDw8PQvb29yrm5ucW6urrHq6urtpubm6V6enqDZ2dnb11dXWNISEhMKioqLQwMDAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDKCgoOWJiYouAgIC2fX19s4eHh8CUlJTTmJiY2JKSktF4eHirWFhYfSYmJjYFBQUIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBAqKiotWFhYXaamprHBwcHOvLy8ybq6usfExMTR0dHR38vLy9nExMTRwsLCz8vLy9nCwsLPv7+/y7+/v826urrHu7u7x7m5uca+vr7KxcXF0s7OztzS0tLg0tLS4M7OztzLy8vZz8/P3dLS0uHT09Ph1tbW5dHR0d7Pz8/dzs7O28nJydbBwcHPvr6+y7q6usa+vr7Lv7+/y8XFxdLAwMDNs7OzwLKysr2oqKizl5eXoX19fYZ5eXmBZmZmbF1dXWNmZmZtbm5udm9vb3ZiYmJpYGBgZ15eXmVYWFheWVlZX0dHR0pISEhNR0dHTEBAQEUyMjI1Ly8vMycnJygcHBweGBgYGRsbGxwWFhYYFRUVFhMTExQPDw8QCgoKCwQEBAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgIEBAQEBgYGBhERERUsLCw8VVVVd3h4eKiEhIS7ioqKw4qKisKJiYnCkpKSzpeXl9SYmJjWmZmZ2JeXl9eampramZmZ1omJibt1dXWaaWlpgVhYWGVSUlJZR0dHS0tLS05ISEhMRUVFSk5OTlNZWVlfYGBgZ2ZmZmxkZGRqVFRUWUBAQEQvLy8yFxcXGAEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABoaGiZTU1N2fHx8sYmJicKTk5PRkJCQzZKSktCVlZXTjo6Oy2VlZY8sLCw+AQEBAgAAAAAAAAAANDQ0THl5ea2Dg4O8lZWV1paWltePj4/MkpKSz5ycnN2KiorEaWlplSgoKDYLCwsLEBAQEhAQEBINDQ0PDAwMDQcHBwgBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEtLS1Abm5unIKCgrl7e3uvbm5unHp6eq1paWmVMzMzSQICAgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIyMjMmJiYoyGhoa+jo6OyoSEhLyOjo7KhYWFvlxcXIQQEBAWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAkBAQFxxcXGhenp6roWFhb5xcXGgQ0NDXw8PDxQAAAAAKCgoOY+Pj82Xl5fWkZGRzpiYmNmOjo7KlZWV1Z+fn+OWlpbWenp6rYCAgLZra2uYJCQkNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQUFBQYGBgYHCwsLDBgYGBkuLi4wRERESmVlZWyAgICInJycp7e3t8TMzMzZz8/P3d/f3+7t7e397u7u/u3t7f3q6ur56urq+ePj4/nJycn9v7+//b+/v/u5ubn8t7e3/re3t/67u7v+wsLC+MzMzPnh4eH15eXl9OLi4vHi4uLx3Nzc69vb2+ra2tro2NjY5tDQ0N7JycnXvLy8yJeXl6JlZWVrLS0tMAsLCwsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABYWFh9SUlJ1eXl5rXR0dKZ1dXWniIiIw5mZmdmamprbgYGBuFxcXIM0NDRLCQkJDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQETExMUOjo6PVhYWF2Wlpagv7+/zMLCwtC7u7vHzc3N297e3u7f39/u1NTU4tLS0uDLy8vYzs7O29TU1OLZ2dnn19fX5szMzNrGxsbTycnJ183NzdrNzc3a09PT4dra2unh4eHw2tra6d3d3e3c3Nzs2tra6dra2unb29vp2NjY5tXV1ePV1dXk09PT4NfX1+bV1dXk0NDQ3tLS0uDe3t7s3t7e7dra2unX19fm09PT4tTU1OPW1tbl0tLS4MTExNHExMTRyMjI1cHBwc/AwMDOvb29yaurq7e1tbXCu7u7x8TExNHExMTRx8fH1LW1tcGtra25ra2tubi4uMSurq65o6OjrZ6enqiBgYGKg4ODjIiIiJGEhISNdnZ2f2xsbHNsbGx0cHBweHBwcHddXV1jWlpaYE9PT1VHR0dKPT09QUNDQ0cuLi4xLCwsLy0tLTAeHh4gExMTFA0NDQ8KCgoLBgYGBgICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQMDAwQICAgIDAwMDRAQEBEODg4PERERERERERIZGRkaHR0dHxwcHB4iIiIjISEhIyEhISMaGhocHR0dHy8vLzE0NDQ4QEBARU9PT1RfX19mZ2dnbXR0dH16enqIfn5+lY2NjbSgoKDTp6en4Kqqquaqqqrnrq6u7LGxsfOzs7Pztra29rKysvKzs7P1tLS087S0tOy3t7fjuLi42Li4uM62trbFtbW1wLm5ucS+vr7Lvr6+ysHBwc/Dw8PRsrKyvrS0tMDGxsbTysrK2dDQ0N3Ly8vZxMTE0rOzs7+qqqq2k5OTnXd3d39LS0tQFhYWGAMDAwQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCQkOMzMzSWZmZpGFhYW/kJCQzpOTk9KTk5PSmZmZ2pqamtuEhIS9Tk5OcBISEhsAAAAACgoKChcXFxg+Pj5RdnZ2opWVlc6ioqLgp6en6KGhod6hoaHdpaWl5qioqOSenp7Lj4+PpI+Pj5eQkJCZmJiYopSUlJ+Tk5OdkJCQmoeHh5BoaGhvXV1dZGBgYGdTU1NZMzMzNxkZGRsKCgoLBgYGBgUFBQUAAAAAAAAAAAAAAAAAAAAAAAAAAB4eHitdXV2FgICAtoODg7t3d3ephISEvHZ2dqlAQEBbCQkJDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwQSkpKaXl5ea2SkpLRiYmJwoaGhr+NjY3Jbm5unCcnJzcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACEhITBoaGiUdnZ2p39/f7V4eHirXV1dhCUlJTQAAAAAGRkZIoODg7uVlZXUkJCQzZ+fn+OZmZnaoKCg5KOjo+iLi4vGc3NzpIODg7tYWFh9CgoKDgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBBwcHBwsLCwwQEBATGBgYGSIiIiYrKysuNjY2OkVFRUpUVFRZbW1tdICAgImFhYWOkZGRmqurq7bIyMjV0NDQ3d7e3u3r6+v77e3t/ezs7Pzr6+v66urq+uvr6/vt7e3+7+/v/+vr6/vp6en56Ojo+Ovr6/rb29v8v7+//Ly8vPu8vLz7ubm5/ba2tv62trb+u7u7/MbGxvjMzMzw1tbW5dHR0d/MzMzZysrK2MjIyNbNzc3bzs7O283NzdvT09Ph29vb6dDQ0N7IyMjWsbGxvYCAgIlHR0dMGhoaGwEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwRQkJCX3x8fLKAgIC2hYWFvZaWltWXl5fWlZWV1YaGhr9iYmKMODg4TwwMDBEAAAAAAAAAAAAAAAAAAAAADAwMDTIyMjVeXl5kiYmJk6+vr7vHx8fUycnJ17+/v8zS0tLf3d3d7NXV1eTOzs7by8vL2Nvb2+ne3t7s5ubm9eXl5fTg4ODw29vb6uLi4vHj4+Py5ubm9ujo6Pfk5OTz4eHh8dzc3OvX19fl19fX5tbW1uXb29vq4uLi8d/f3+7b29vq29vb6t/f3+/f39/v39/f7d/f3+7g4ODv3t7e7N7e3u3d3d3r4eHh7+Dg4O/d3d3s1dXV49LS0uDR0dHe09PT4NTU1OLV1dXi1dXV5NjY2OfV1dXly8vL2cPDw9DR0dHg09PT4dPT0+HQ0NDfy8vL2c7OztvT09Phzc3N28jIyNXJycnXwsLCz7+/v8y7u7vIurq6x8TExNLExMTRtbW1waamprKioqKtvb29ysbGxtTDw8PRv7+/zLe3t8OsrKy4oqKirKmpqbWcnJymhoaGkJSUlJ6JiYmSgYGBiouLi5Rzc3N7WVlZX1paWmBMTExRQEBARTk5OT0vLy8yJSUlJxsbGx0ODg4PAgICAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICAgIFBQUFBQUFBgYGBgYLCwsMCQkJCg0NDQ0QEBASFxcXGBsbGxwnJycpLi4uMjMzMzc4ODg7PT09QUREREhKSkpORUVFSUhISE1fX19lampqcnBwcHeDg4OMgoKCioCAgImCgoKLnp6eqJubm6Wbm5ull5eXoZiYmKKfn5+ppaWlsJycnKaWlpagoaGhrKamprKpqam0xMTE0dDQ0N7R0dHfzc3N4czMzPDIyMj5wsLC+sHBwfm7u7v3uLi4+ri4uPy4uLj9uLi4+7a2tvy2trb7ubm5+729vfnBwcHzy8vL7dPT0+fV1dXl2NjY5dvb2+nT09PhycnJ176+vsq5ubnGuLi4xbW1tcG9vb3Kx8fH1MvLy9jMzMzavb29yb29vcnJycnX0dHR39DQ0N7JycnWx8fH1crKytjIyMjWlJSUn2BgYGYtLS0vEREREgICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAARoaGiRRUVF0c3NzpYKCgrmQkJDOmJiY2JmZmdmUlJTUjY2NymxsbJs4ODhNJCQkKUdHR0t1dXV8lZWVnqKiorqvr6/etra277i4uPm6urr6wMDA/L+/v/q8vLz9vb29/cTExPjPz8/s3t7e7Onp6fnp6en64+Pj8uHh4fDo6Oj35+fn9+jo6Pni4uLx4ODg8OPj4/Pc3Nzqzc3N2a6urrmTk5Odh4eHkGtra3JDQ0NHISEhIxQUFBUJCQkJGBgYIVlZWX+BgYG4j4+PzH5+frR/f3+2h4eHwVlZWX8PDw8WAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwQxMTFHZWVlkIeHh8CIiIjCenp6roqKisV+fn60QUFBXQQEBAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkJCQ1bW1uBeXl5rISEhLuFhYW9aWlplTo6OlQGBgYJCAgIC2VlZZCSkpLQiYmJxJqamtylpaXqq6ur9Kenp+yUlJTTf39/tHV1daczMzNIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQMDAwQFBQUFBQUFBwkJCQkRERESGhoaHCUlJScyMjI1RUVFSFRUVFlxcXF5e3t7g46OjpehoaGrp6ens7y8vMjHx8fV0NDQ3tLS0uHe3t7u6Ojo9+bm5vbm5ub25ubm9unp6fro6Oj35+fn9ufn5/bn5+f36urq+uzs7Pzs7Oz86+vr++zs7Pzs7Oz87Ozs/Ozs7Pzp6en56urq+e3t7fzq6ur7zc3N+7y8vP2/v7/+u7u7/bi4uP62trb+tra2/sHBwf3Kysr819fX9t/f3+3c3Nzq4uLi8eLi4vLd3d3s2tra6NfX1+XU1NTi29vb6dXV1eTJycnVvLy8x8DAwM61tbXChYWFjkZGRkoXFxcYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICjMzM0loaGiUd3d3qXl5ea2IiIjBjIyMx4yMjMiBgYG5bm5unUZGRmQVFRUeAAAAAAAAAAAZGRkaWFhYXnl5eYGMjIyVubm5xtvb2+nc3Nzq0dHR4NHR0d7Z2dnn2NjY6N3d3ezb29vq4ODg7uTk5PPj4+Py5OTk9N7e3u3b29vr39/f7uXl5fTj4+Pz5ubm9uHh4fDi4uLx5eXl9OTk5PPi4uLx3t7e7dzc3Ovg4ODu5eXl9ePj4/Lj4+Py4uLi8uPj4/Ln5+f35ubm9ePj4/Lj4+Pz5ubm9efn5/bj4+Pz3d3d7d3d3e3g4ODw3Nzc6tfX1+Xd3d3r3t7e7Nvb2+rS0tLgzMzM2szMzNnR0dHe0dHR39PT0+Ha2trp3t7e7crKytfIyMjVycnJ18zMzNrR0dHe0tLS4dXV1ePNzc3aycnJ2NXV1ePR0dHgy8vL2cjIyNbMzMza19fX5dfX1+XQ0NDd0NDQ3tLS0uHNzc3bzMzM2sTExNLFxcXSvr6+yrq6usa2trbDt7e3w7W1tcG7u7vIz8/P3bu7u8ivr6+6sLCwu7CwsLyzs7PAra2tuqurq7alpaWxnZ2dp5CQkJqGhoaPe3t7g2FhYWhCQkJGKCgoKxwcHB4QEBARBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMDCQkJCg8PDxAZGRkbHR0dIC0tLTA4ODg9Pj4+Qk1NTVJfX19lV1dXXWBgYGd5eXmBc3Nze319fYWIiIiRk5OTnZaWlqCmpqawnp6eqY6OjpiMjIyVm5ubpqurq7erq6u3p6ensqGhoay1tbXBt7e3w8TExNLExMTSu7u7yMHBwc7GxsbSyMjI1MrKytfOzs7cxsbG07+/v8ytra25vr6+yszMzNrQ0NDe0dHR38/Pz9zPz8/c0tLS4NDQ0OPJycnqw8PD8sLCwva+vr76u7u7/bm5ufy4uLj7uLi4+7i4uPy2trb9uLi4/Ly8vPzCwsL6ysrK89bW1vDc3Nzv3t7e7d3d3e3e3t7t29vb6t7e3u3f39/u3Nzc69zc3Orf39/u3Nzc69ra2ujc3Nzq3t7e7eLi4vHf39/t4eHh79ra2unZ2dno1dXV49/f3+/k5OT01dXV5L6+vsu8vLzJx8fH1bGxsb1+fn6HYGBgZzIyMjQNDQ0OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0RMzMzSF9fX4eAgIC2hoaGv4mJicOQkJDNi4uLxo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7u7v/u7u7+7u7u/u7u7v7u7u7/7u7u/+3t7f3u7u7+7u7u/u7u7v7v7+//7u7u/u7u7v7u7u7+7u7u/u7u7v7u7u7/7u7u/u/v7//v7+//7+/v/+7u7v/u7u7+7e3t/erq6vrr6+v67Ozs/Ozs7Pzr6+v77e3t/e7u7v7t7e396+vr++vr6/zq6ur66Ojo9+fn5/fi4uLy4eHh8eHh4fDf39/u1NTU4szMzNnS0tLf1dXV4szMzNnKysrX2tra6tbW1uTFxcXTwsLCz9LS0uDU1NTj3d3d7NjY2ObPz8/d1NTU4dHR0d/Ly8vYu7u7x6enp7KUlJSeenp6gl5eXmRLS0tQMDAwMxcXFxkICAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQgICAgrKystd3d3f7Kysr/Ly8vY0tLS4N3d3ezi4uLx4ODg8OXl5fTm5ub16enp+ezs7Pzr6+v76enp+Ozs7Pvt7e397e3t/e3t7f3u7u7+6+vr++np6fnm5ub25+fn9uvr6/vr6+v76urq+uvr6/vs7Oz87e3t/e3t7f3s7Oz86+vr++rq6vrq6ur67Ozs/ezs7Pzr6+v76+vr+ubm5vfk5OT05eXl9efn5/bo6Oj36enp+enp6fnr6+v76+vr++bm5vbi4uLx5OTk9OPj4/Lh4eHw4ODg7+Dg4O/h4eHw4ODg7tvb2+rY2Njn19fX5tzc3Ovj4+Py5eXl9Obm5vbn5+f35+fn9ubm5vTe3t7u4ODg7+Hh4fDc3Nzs1tbW5dbW1uXc3Nzq4ODg7tzc3OvV1dXj0tLS38/Pz9zLy8vZy8vL2c7OztzIyMjVwMDAzMXFxdLIyMjWwMDAzbi4uMTAwMDNycnJ18vLy9nW1tbk19fX5tbW1uXV1dXj2NjY5tvb2+nd3d3r29vb6tvb2+nZ2dnn2NjY593d3eve3t7t5ubm9uPj4/Ll5eX14uLi8tra2uni4uLx3d3d7ODg4O/m5ub26Ojo+OXl5fXY2Njnnp6eqaGhoaunp6ezR0dHSwMDAwMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKC05OTlOMjIyWnp6eqLu7u8jT09Pi3d3d7OLi4vLq6ur55eXl9Ojo6Pjq6ur54ODg7tjY2Obd3d3r3t7e7ODg4O/g4ODw29vb6tzc3Ovb29vq1dXV49jY2Off39/u2NjY59XV1ePMzMzZ19fX5dvb2+nW1tbk2NjY5+Hh4fDNzc3aycnJ1tnZ2ejZ2dnoy8vL2cPDw9DFxcXR2NjY6Obm5vbm5ub14uLi8t3d3e3d3d3t3t7e7dra2unV1dXj1NTU4t3d3eve3t7s4+Pj8tzc3OvZ2dno3d3d7d/f3+/i4uLx5eXl9eLi4vHd3d3s39/f7+Xl5fXg4ODv3Nzc6tfX1+bZ2dno1tbW5NnZ2efg4ODv4uLi8eLi4vLj4+Py5ubm9eLi4vHf39/u4uLi8uLi4vDg4ODv4ODg8N/f3+7f39/u1tbW5NfX1+XX19fm1dXV49PT0+LY2Njn0tLS4MzMzNnc3Nzq2tra6c/Pz93GxsbTysrK2MHBwc68vLzIwcHBzcvLy9nS0tLh0NDQ3tDQ0N3Pz8/cz8/P3crKytfBwcHOrq6uup2dnaiKioqSe3t7gltbW2E3Nzc8HBwcHQoKCgsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQAAAAAEBAQEAwMDAwICAgIFBQUFDw8PEBUVFRYfHx8hKysrLTExMTQ9PT1BR0dHS0pKSk9dXV1jbGxsdHd3d3+IiIiRjo6Ol5GRkZuqqqq2s7Ozv7+/v8vFxcXTycnJ1tTU1OPKysrXz8/P3t7e3u7i4uLx5eXl9OLi4vLf39/u6enp+Ozs7Pvq6ur55+fn9ujo6Pjq6ur57Ozs/Ovr6/vp6en56urq++zs7Pzs7Oz86+vr++zs7Pzt7e397e3t/u7u7v7u7u7+7u7u/u7u7v7u7u7+7u7u/u7u7v/s7Oz97e3t/e3t7f7s7Oz87u7u/u3t7f3q6ur65ubm9eTk5PLj4+Py5eXl9Obm5vXl5eX05ubm9ebm5vXm5ub25OTk897e3u3d3d3s5eXl9OPj4/Pd3d3r39/f7tjY2ObNzc3by8vL2szMzNnBwcHOwMDAzbq6usagoKCqT09PVQoKCgoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABISEhNubm51rKysuLe3t8PPz8/d1dXV49XV1ePi4uLx6+vr+u7u7v7t7e396+vr++zs7Pzt7e397Ozs/Ovr6/vp6en66+vr+unp6fnr6+v67u7u/u3t7f3s7Oz76+vr++vr6/rr6+v77e3t/e7u7v7u7u7/7u7u/u7u7v7u7u7+7e3t/e7u7v7u7u7+7u7u/+/v7//v7+//7+/v/+/v7//v7+//7u7u/+3t7f7u7u7/7u7u/u7u7v7v7+//7+/v/+7u7v7v7+//7+/v/+/v7//u7u7/7u7u/u/v7//v7+//7u7u/+7u7v7u7u7+6+vr++rq6vrq6ur66enp+Ovr6/rp6en45ubm9eHh4fHk5OT04uLi8d7e3u3k5OT04+Pj8+Hh4fDb29vq1tbW5NjY2Ofe3t7t1tbW5dHR0d/FxcXTzc3N29HR0d7Pz8/c2dnZ6MvLy9nFxcXTz8/P3cfHx9TAwMDMr6+vuqSkpK+MjIyUa2trc2BgYGZTU1NYODg4PB8fHyETExMUBQUFBgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgoKCkREREh1dXV9oKCgrLq6usfAwMDOxMTE0snJydfS0tLhz8/P3dTU1OLi4uLx5OTk8+bm5vXo6Oj46urq+urq6vrp6en56urq+ubm5vbj4+Py5OTk9OTk5PPg4ODv5ubm9ufn5/fo6Oj46enp+Ozs7Pzs7Oz76urq+uvr6/vp6en56enp+enp6fnr6+v76urq+ejo6Pjq6ur66urq+ufn5/bo6Oj46urq+erq6vns7Oz86+vr++np6fjk5OT04+Pj8ufn5/fq6ur56+vr++zs7Pzs7Oz86+vr++np6frq6ur66Ojo+Ojo6Pjq6ur66enp+Orq6vro6Oj46urq+efn5/fm5ub26Ojo+Ofn5/fn5+f35ubm9ubm5vbn5+f36Ojo9+jo6Pjm5ub24+Pj8+Hh4fDk5OT05eXl9OXl5fXg4ODw2NjY5tra2ujk5OTz39/f79jY2Ofa2trp2dnZ6NTU1OLa2tro2tra6Nra2une3t7u5ubm9ufn5/bm5ub15+fn9+np6fjp6en45ubm9uXl5fTh4eHw39/f7eTk5PPb29vq1NTU49zc3OvZ2dnn09PT4eLi4vHi4uLx29vb6s/Pz92ioqKtiYmJkqSkpK9qampxEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoKCgs/Pz9CcnJyeY6Ojpejo6Otzs7O293d3ezg4ODv2dnZ6N/f3+3b29vq4+Pj8uTk5PPm5ub16Ojo+OPj4/Lk5OTz4eHh8Nvb2+ra2trp39/f7uHh4fDh4eHx3d3d7NnZ2ejd3d3s4+Pj8uXl5fTj4+Py4ODg7+Li4vHh4eHw5OTk8+Pj4/Pl5eX04eHh8OTk5PTm5ub25eXl9eXl5fTn5+f36enp+Ojo6Pjm5ub24eHh8OHh4e/j4+Py39/f7uDg4O/j4+Pz4uLi8t3d3ezT09Pi0dHR38/Pz97S0tLg0tLS4dXV1eTb29vq3d3d7MzMzNrLy8vYxcXF087OztvQ0NDe0tLS4NbW1uTS0tLg0tLS4NjY2OfS0tLh0NDQ3snJydbPz8/d3Nzc69ra2unW1tbk1NTU4tHR0d7Ly8vZxMTE0cTExNLJycnXxsbG1Ly8vMm/v7/Lv7+/zLi4uMXPz8/c09PT4bCwsLy1tbXAubm5xbGxsb2vr6+7r6+vurGxsb6xsbG+r6+vu6enp7KoqKiynZ2dp4KCgotjY2NqTExMUkJCQkYnJycoDg4ODgEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwMHBwcHCgoKCxISEhQaGhocGxsbHiMjIyUuLi4wPT09QUlJSU5SUlJXaWlpcX19fYWYmJijqamptK6urrrBwcHNycnJ19TU1OLd3d3s4+Pj8uDg4O/n5+f26+vr+ujo6Pnl5eX15eXl9unp6fnn5+f25OTk9Ofn5/bn5+f36+vr++zs7Pzs7Oz87Ozs/O3t7f3s7Oz87e3t/ezs7Pzp6en56enp+ezs7Pvr6+v66enp+efn5/bn5+f24eHh8ODg4O/f39/u39/f7uDg4PDi4uLx5ubm9eDg4PDg4ODv4+Pj8uPj4/Pf39/t39/f7tvb2+nU1NTi29vb6tjY2OfMzMzaw8PD0L29vcm2trbCp6ens3x8fIRGRkZLCQkJCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAmJiYoe3t7hKurq7fBwcHOxsbG083NzdrNzc3b1NTU4t3d3ezh4eHw5ubm9ufn5/bo6Oj46enp+ebm5vbn5+f26urq++rq6vrp6en56+vr++zs7Pzs7Oz97Ozs/O3t7fzt7e397e3t/e3t7f3u7u7+7u7u/u7u7v7v7+//7u7u/u7u7v/u7u7/7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7/7u7u7+7u7u/u7u7v7v7+//7e3t/u3t7f3u7u7+7u7u/u3t7f3r6+v76urq+uzs7Pzs7Oz86urq+ufn5/fm5ub25ubm9ubm5vbl5eX04eHh8OTk5PTq6ur64uLi8ePj4/Ll5eX04+Pj8tvb2+nT09Pi1dXV5NDQ0N/IyMjVwMDAzLW1tcGlpaWwpqamsZiYmKJ9fX2GeXl5gnFxcXhgYGBmWVlZXzw8PD8xMTE0Nzc3OjY2NjopKSksJCQkJxsbGx0ODg4PBAQEBQEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCgoKJSUlJ0ZGRktmZmZugYGBipWVlZ+pqam1pKSkr6qqqrXCwsLQ0NDQ3tfX1+ba2trp3Nzc69/f3+7d3d3r3t7e7dnZ2ejV1dXj1dXV5NHR0d/V1dXj2tra6OXl5fXg4ODw4eHh8N3d3e3j4+Py4ODg8N3d3ezf39/u3t7e7uPj4/Lm5ub15+fn9+bm5vXm5ub24+Pj8+Xl5fTn5+f25ubm9ejo6Pjp6en55+fn9+Xl5fTg4ODu2dnZ59jY2ObZ2dnn3t7e7eDg4O/l5eX05OTk8+Pj4/Lg4ODv4+Pj8ufn5/fn5+f25OTk8+Li4vHe3t7u3d3d69zc3Org4ODv2dnZ6NnZ2efZ2dno3Nzc693d3ezc3Nzr3t7e7eLi4vDm5ub15eXl9OHh4fDY2Njnzs7O3NHR0d/W1tbl3d3d7ODg4O/a2tro39/f7eHh4fDd3d3s3d3d7N/f3+7c3Nzr3Nzc6uLi4vLk5OT05OTk9ODg4O7f39/u5OTk8+Li4vHh4eHx4uLi8d3d3ezY2Njn3t7e7Nzc3OvY2Njm4uLi8uDg4O/S0tLg4eHh8OLi4vLd3d3s0dHR37a2tsOWlpagkZGRm2JiYmkZGRkbAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYGLS0tL1dXV1x6enqCp6ens8rKytfQ0NDexsbG08XFxdLc3Nzr1tbW5M/Pz93ExMTQ0tLS39vb2+vf39/u5eXl9OLi4vHc3Nzr29vb6uTk5PPj4+Pz6enp+Ofn5/bk5OT04eHh8dvb2+nX19fl1tbW5NPT0+Hd3d3s4ODg8Nvb2+rb29vp3Nzc6uHh4fDg4ODv4ODg7+Hh4fDg4ODv4eHh8ODg4O/b29vq3t7e7eDg4O/a2trp0dHR3tHR0d/S0tLg1dXV49TU1OLT09Pg09PT4dbW1uTX19fl0NDQ3tHR0d/b29vq19fX5tDQ0N7R0dHgzs7O3dLS0t/W1tbk09PT4crKytjFxcXSxMTE0cXFxdPCwsLPvr6+y8zMzNrFxcXSvr6+y6+vr7yysrK9x8fH1czMzNnKysrYxsbG0729vcqzs7O/qqqqtbS0tMCioqKtm5ubpaGhoaydnZ2oo6OjrqamprGIiIiSenp6g4KCgot2dnZ9bGxsc2RkZGpWVlZaR0dHTDc3NzsjIyMlExMTFQoKCgsCAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQECBQUFBQYGBgYODg4PGhoaHCMjIyYwMDA1ODg4PElJSU5YWFhfZGRkanZ2dn2Dg4OMnJycprCwsLu0tLTAu7u7x8jIyNbc3Nzq4ODg7+Li4vLo6Oj46+vr+u3t7fzr6+v76+vr+uzs7Pzs7Oz87u7u/u3t7f3q6ur66enp+Ovr6/rs7Oz85+fn9uDg4O/i4uLx6Ojo9+fn5/fp6en55ubm9uXl5fTi4uLx3d3d7dbW1uTOzs7czc3N2tDQ0N7Pz8/ezMzM2s7OztzQ0NDe19fX5tLS0uDJycnWwsLCz66urrqHh4ePSUlJTRMTExQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBLCwsL4SEhI6vr6+6ubm5xrS0tMDGxsbTzMzM2crKytfW1tbk3Nzc69fX1+Tg4ODv4+Pj8tra2ujd3d3s4uLi8eTk5PTj4+Pz5eXl9ODg4O/g4ODv3d3d7Nvb2+rc3Nzq39/f7ebm5vbs7Oz77Ozs/Ovr6/rs7Oz86+vr++rq6vrt7e397u7u/u7u7v7t7e397e3t/e3t7f3t7e397e3t/evr6/rq6ur55+fn9+np6fjp6en65+fn9+bm5vXp6en57Ozs/Ovr6/rp6en56urq+urq6vrq6ur66Ojo99zc3OrZ2dno29vb6tTU1OLHx8fUsrKyvqGhoaympqaxmJiYo4yMjJWAgICIcnJyeWtra3NVVVVbTExMUUdHR0w5OTk9Li4uMSIiIiUXFxcZFBQUFQ8PDxANDQ0OCgoKCwUFBQUCAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHBwcHGBgYGjExMTRPT09TbW1tdI6OjpeYmJiirq6uuru7u8fHx8fUx8fH08bGxtLGxsbTx8fH1b6+vsuzs7O/rq6uubu7u8fFxcXSvLy8yMDAwM3b29vq19fX5cHBwc7Ozs7cz8/P3MzMzNvS0tLg09PT4crKytnKysrY1tbW5NfX1+Xb29vp3d3d7N7e3uze3t7t1dXV5NjY2Ofd3d3t3Nzc697e3u3e3t7t4ODg7tjY2OfU1NTj1dXV5NHR0eDR0dHf2tra6ODg4O/g4ODv29vb6t3d3ezg4ODu3Nzc69zc3Ovc3Nzr2tra6eDg4O/l5eX05eXl9OLi4vLb29vp3Nzc69/f3+3j4+Pz5OTk8+Tk5PPm5ub26enp+Obm5vbd3d3s0NDQ3dDQ0N7V1dXj39/f79vb2+nOzs7c1tbW5OPj4/Pb29vp29vb6t7e3u3W1tblzs7O3NHR0d/W1tbl3t7e7dfX1+bX19fl2dnZ59ra2unc3Nzr4uLi8eHh4fDl5eX14ODg793d3ezm5ub15ubm9urq6vno6Oj56urq+d7e3u3X19flwcHBzqioqLOLi4uUaGhocCMjIyUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABISEhI4ODg8YmJiaYaGho67u7vHxsbG07m5ucbCwsLP2tra6ebm5vXd3d3r1dXV49jY2Ofa2tro3t7e7N7e3u3g4ODv3d3d69nZ2efX19fl29vb6dzc3OrZ2dno29vb6t/f3+7e3t7t29vb6t/f3+/d3d3s39/f7d/f3+7c3Nzr29vb6dra2ujZ2dnn1dXV49jY2ObY2Njn0tLS4NfX1+Xg4ODv39/f7tra2unY2Njm1NTU4tPT0+HS0tLh0NDQ383NzdvOzs7b0dHR383NzdvJycnXtbW1wbGxsby/v7/MyMjI1szMzNnKysrYxsbG1MPDw9C7u7vIu7u7x8bGxtO+vr7KtbW1wa6urrmbm5ukpqamsaWlpbGkpKSvkJCQmYeHh5CNjY2Wnp6eqJqamqSMjIyWiIiIkXx8fIRwcHB4bGxsdGtra3NRUVFXU1NTWVNTU1k+Pj5DNDQ0Ny0tLTEhISEkFxcXGBERERIJCQkKBQUFBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAQQEBAQJCQkJEBAQERwcHB0gICAjKCgoKj4+PkJcXFxidXV1fpaWlqG2trbCx8fH1NTU1OLe3t7s4ODg7+Pj4/Lu7u7+7+/v/+zs7Pzp6en46enp+Onp6fjp6en56enp+eHh4fHZ2dnn3t7e7eLi4vHk5OT03d3d7Nra2und3d3s29vb6tnZ2efa2tro1tbW5dLS0uDW1tbl29vb6tbW1uTU1NTi19fX5srKytenp6eycHBwdzc3NzoRERERAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABsbGx1HR0dLjIyMlbm5ucW/v7/Lv7+/y8vLy9jY2Njm2NjY59PT0+DX19fl19fX5tzc3Ovh4eHw3d3d7NjY2Obf39/u5ubm9ufn5/bn5+f25ubm9efn5/fp6en46urq+enp6fnk5OTz6Ojo+Ozs7Pzr6+v76enp+Orq6vrt7e387e3t/ezs7Pzs7Oz86+vr++zs7Pzs7Oz86enp+Ofn5/bo6Oj36Ojo+Onp6fjn5+f35eXl9OPj4/Lk5OT04ODg79HR0d/GxsbTwMDAzbW1tcGlpaWwkpKSnIyMjJRxcXF5Z2dnb1ZWVls+Pj5BMTExNCIiIiQXFxcYDw8PEQgICAgDAwMDAQEBAgEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBCQkJCRERERIbGxsdMTExNExMTFNlZWVsdXV1fIGBgYmRkZGbm5ubpqWlpa+np6ezr6+vu62trbmpqam0q6urt7m5ucbIyMjVubm5xbKysr6ysrK+tbW1wbi4uMW5ubnFw8PDz8TExNLLy8vZzs7O3NHR0eDOzs7cycnJ1tHR0d/T09PhzMzM2srKytjIyMjVz8/P3dPT0+LJycnXycnJ1tTU1OLV1dXj09PT4M/Pz9zMzMzazMzM2crKytfe3t7t3d3d7NTU1OPT09Ph09PT4s7OztvNzc3b0dHR39nZ2ejc3Nzq29vb6dXV1eTY2Njm39/f7t7e3u3d3d3s4eHh8OXl5fXl5eX04+Pj8uLi4vHk5OTz5ubm9ePj4/Lg4ODv4eHh7+Dg4PDj4+Pz39/f7djY2Ofb29vq4ODg7+Pj4/Hl5eX04+Pj8+Li4vLo6Oj35OTk8+Xl5fXg4ODv29vb697e3u3k5OTz4uLi8ePj4/Hb29vq1dXV49nZ2ejX19fn2NjY587OztzNzc3c2tra6Nvb2+m6urrHioqKk3R0dHxTU1NZGBgYGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICEBAQETAwMDNdXV1jmZmZpM3NzdrLy8vZxsbG1MTExNLR0dHf0NDQ3sfHx9W8vLzIwsLCz83NzdrHx8fUxMTE0bq6use3t7fDuLi4xLm5ucXBwcHOzMzM2dbW1uTZ2dno2NjY59TU1OPX19fm1tbW5dfX1+bY2Njm19fX5dLS0uHW1tbk1NTU4tfX1+fMzMzbzc3N283NzdvV1dXk1tbW5dra2unT09PhzMzM2s7OztvJycnXtLS0wJ6enqmcnJymjo6OmImJiZOSkpKcmZmZpJGRkZuKioqUi4uLlIqKipOMjIyVhoaGj3BwcHdycnJ5cnJyemxsbHRZWVlfWFhYXkdHR0s3Nzc6ODg4PDk5OTw0NDQ3Li4uMSsrKy0lJSUoIiIiJBgYGBoQEBARDQ0NDggICAkGBgYGBQUFBQUFBQUCAgICAwMDAwEBAQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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## Pillars of the Energy Transition

The pathways built to accomplish the vision from the current situation are based or depend on more specific solutions (for example, fossil fuel generation is planned to be replaced by renewable energy, namely solar and wind). At this point, the solutions should be classified according to the pillars of the energy transition. Following the energy vectors suggested in the Energy System Description section, the Secretariat recommends using the following pillars:

* Electricity generation,
* Heating and cooling,
* Transport on the island,
* Transport to and from the island.

Once classified, the solutions may be further developed in the pillars section. Following with the example above: the foreseen wind and solar projects may have suggested timelines, capacity, organisational structures, etc. that can be further explained at this point.

Islands with an ongoing planning process that identifies other pillars are welcome to use them as long as all the pillars above are covered. Islands are invited to include additional pillars, such as demand reduction and energy efficiency, according to the local context.

For each one of the pillars, a **general objective** is identified. Subsequently, one or more **strategies** to achieve that goal may be outlined followed by the direct **actions** to be taken to move forward.

**More information on how to develop clean energy transition pillars can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook) **Chapter 5 ‘Exploring Island Transition Pathways’, section ‘Pillars of the energy transition’.**

## Monitoring

Monitoring is an important part of the learning process of the transition. Both the transition process and transition governance should be monitored and assessed to track their evolution. The aim of the monitoring is to generate feedback based on the measured results which allows for improvement of the transition process while it is ongoing.

Transition processes are uncertain by nature; thus, the Clean Energy Transition Agenda cannot be a static document. Through periodic reporting, the Agenda should be revised and adjusted to accommodate changes.

A self-assessment matrix is available at: [*euislands.eu/transition-indicator*](https://euislands.eu/transition-indicator) together with videos explaining how to fill it in. The results of the self-assessment matrix, together with an explanation of the reasons to each score, should be summarised in this section of the agenda. Self-assessment should be conducted at least twice a year, and the evolution of the scores may be updated in subsequent versions of the Transition Agenda.

**More information on how to monitor the transition process can be found in the** [***Islands Transition Handbook***](https://euislands.eu/document/islands-transition-handbook) **Chapter 7: Monitoring the Transition.**

Indicator 1: Clean Energy Transition Agenda

[Score]

[Summary of discussion]

Indicator 2: Vision

[Score]

[Summary of discussion]

Indicator 3: Community – Stakeholders

[Score]

[Summary of discussion]

Indicator 4: Community – Organisation

[Score]

[Summary of discussion]

Indicator 5: Financing concept

[Score]

[Summary of discussion]

Indicator 6: Decarbonisation plan – Island diagnosis

[Score]

[Summary of discussion]

Indicator 7: Decarbonisation plan – Data

[Score]

[Summary of discussion]

Indicator 8: Decarbonisation plan – Action Plan

[Score]

[Summary of discussion]

Indicator 9: Multi-level governance

[Score]

[Summary of discussion]

# References

[1] Bertoldi P. (editor), Guidebook 'How to develop a Sustainable Energy and Climate Action Plan (SECAP) – Part 2 - Baseline Emission Inventory (BEI) and Risk and Vulnerability Assessment (RVA), EUR 29412 EN, Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-96929-4, doi:10.2760/118857, JRC112986

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