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| **OTAGO POYTECHNICE AUCKLAND INTERNATIONAL CAMPUS** |
| Assignment -1 (Database Assignment) |
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| Submission Date: 25th November 2019 |
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| **IX 505001 INTRODUCTION TO SYSTEMS ANALYSIS** |

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# Executive Summary

The DentalDispensary System is designed to assist daily clinic operation before this done using different software tools, which increase complexity for staff and time consuming. This system covers all medical operations from enrolment to patient billing. The key thing is that data recording and retrieval is made easier. This system will create periodic reports of the clinic's performance. For instance, the number of patients per week or month and the total collection per month. This system can check the antibiotics and other medical items inventory of clinic. The target user is the clinic's, doctors, management staff and patient.

During the design of this process, prototyping approach is applied. It includes an iterative process for making it device functional and user-friendly. System design is based on the methodology of the System Development Life Cycle (SDLC). The design includes an entity-relationship diagram (ERD), a fishbone diagram, and evaluation of SWOT analysis matrix (Strength, Weakness, Opportunity, Threat).

Goal

The system aims to ensure that it operates digitally. The key thing is to make the system accessible when building any framework. Therefore, this system can support the regular clinic process based on real user analysis and the system can perform the function properly.

**Scope**

This scope is convergent to that of Mr Dentist in North Shore, Auckland, a private smart dental clinic. The scope of the system will include clinic staff, doctor, and management. The patient appointment will be accepted by the admin staff based on the schedule. The doctor will diagnose patients and give the medication while the clinic's daily report will be viewed by the management. Communication between staff is done using a multimedia network, and the different treatment plans of the clinic are advertised, which are delivered to the patient via a social media portal.

**Methodology**

During the development of the system, System Development Life Cycle (SDLC) protocols will be followed.

n the System Development Life Cycle (SDLC), Waterfall Methodology will be applied. Waterfall model phased includes Planning, Analysis, Design and Implementation and Testing.

Objective

* The system helps to save accurate and computerised records of all patients.
* The software should provide data redundancy of patient details.
* The system should be able to check the date and time available for dentist-patient appointments.
* A system has ability to show the patient's history of dentistry and treatment.
* Generate patient dental status report according to the treatment session and many other criteria.
* Generate valuable reports on the number of patients visiting the clinic for treatment.

# Planning and Logical Design

## Business Case

### Fishbone diagram

* The cause - effect diagram, also refer as the "fishbone" diagram, may help to identify possible causes of a problem and organise ideas into useful categories.
* Graphical representation of relationship between a given outcome and all the factors that influence this outcome. It determines the factors that cause positive or negative effect of the system.
* Focusing on a specific issue without restoring to complaints and irrelevant discussion.
* The below cause – effect diagram describes the specific one effect of Mr Dentist scenario and determine different cause which affect the process.

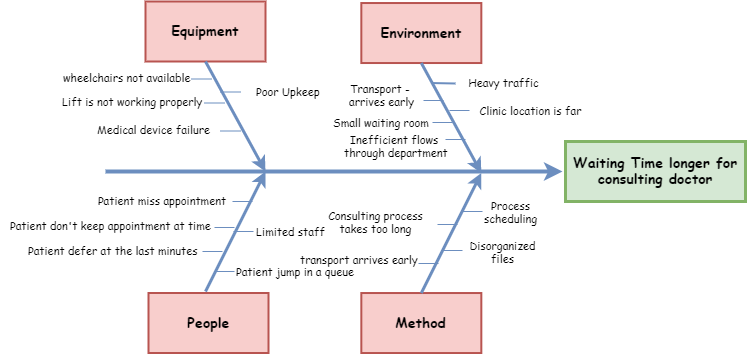


Figure 1 Fishbone (cause- effect) diagram of Mr dentist

### SWOT analysis

* It focuses on identifying strategies to establish a business model that best aligns the resources and capabilities of an organisation to the needs of the company's environment (MSG Management Study Guide, n.d).
* Strength(S) and Weakness(W) define internal factors that are controlled by you. Chances (O) and threats (T) are considered external factors that you have no control about.
* The below SWOT analysis matrix describe the evaluation of Mr Dentist system.

![A close up of a card

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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjIyAAAAAAAAAAAAwIQJE7Rr105MTAwAAAAAAACAjIwMAAAAAAAAAAAAAAAAAJCRkQEAAACioqJUr17d1q1bxcbGAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIAnAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACB3g3hFRvQTElMaBCbNdnn6PAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABCVOFmeBvGOlqoFAAAAAAAAorevAKl12gEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIAyGxeDE01eBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcOnSJcOHDzdp0iRhYWEyMjJMmDBB7969RUVFgWHDhmnXrp24uDjJyclWrFghISEBJCcnmz17NoDExESJiYnCw8MlJCSA6tWry8jIsG7dOhs2bBAeHq579+5iYmIAAEBqaqpjx445duyYpKQk4eHhGjVqpEmTJgDg8OHDtm7dav/+/cLDw8XHx2vatKnDhw+bPXs2gMTERImJicLDwyUkJEhOTrZixQoJCQkAICUlxYoVK6SmpgoPDxcfH69p06ZCQ0PNmDFDlSpVlCtXzpo1a+zYsUPt2rV169ZNcnKy2bNnA0hMTJSYmCg8PFxCQgKAKlWqSExMlJWVJTQ0FAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABDx/jtCY8sDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBsuXIKCgmWu0G8W1t2AgAAAAAACAoJkSMqEgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAED2sHwAAAAAAAAAAAAAAAAAAAAAoHDf7iKG93VtwXJpQxIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADA3bt3QWZmprCwMHv27BEIBBw/flxUVJRLly4JBAJCQ0NBVlaWQCAAICwsTHR0tNTUVADVq1cHAPv373fjxg2pqakgEAjYsWOHmJgYAAAASUlJAAKBgKVLlypatKjY2FiwevVqSUlJoHbt2tLT0yUlJalQoYKwsDDR0dFSU1MBVK9eHUBWVpZAIAAADh8+bOrUqQACgYCkpCTQqlUr+/fvBzt27JCamgp27Nihdu3awsLCREdHS01NBVC9enUAAEWKFAGBQEBUVBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAJwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACA/wnA//+e6////z8icxc2cB8wwkY8FgTSBkKgSUtIBZUAVEEhSbOiKkBJNVMRSUwU0MJaQhNCrMjADGxMG/A4AAAAAAAAgYb13c676uzUD1xeuhoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJSObS4/NR0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNGSJVw/lgUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABCQ0PBv//+KyIiwp49e8DJkyfBiRMnQGRkJAAAiIqKMmHCBDB48GADBgwQGxsLACA3N9eYMWNER0dbu3atlJQUAwcOBAAAEBkZKT4+XlRUlHPnzpk0aZKDBw+Kjo6WlZUlJSVFp06d9OjRQyAQsHv3bpmZmcLDw4WFhZkwYQIYPHiwAQMGiI2NBQAAAEuXLhUMBg0bNkxERITc3Fwff/wxAMjIyBAMBk2ZMkVoaKixY8fKzs4WGxtrwoQJYPDgwQYMGCA2NhYAQCAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAdwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACU7ddTkRIh8tZtcXnpagAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMUqlnf7UCYAAAAAAAAAAAAAAAAAAACA83OTnJ+bBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADCwsIAnDt3TmZmph49ekhJSTFw4ED//POPJk2aCAQCAAAAAAAAAGDQoEGioqJAuXLlAAAAADRt2lRUVBQIDw8XExPj2rVrYO/evaBHjx4CgQAoKCgAYWFhAAAAAAAAsrKy5OTkGDBggIiICFlZWZYuXapBgwY6deoEAIYNGyYiIgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADcBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFCidg1w83Q2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBqC6Yr3aalkyNfl5+aDgAAAAAAAAAAAAAA7j2yTe7qH50ZnwgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABiYmJkZmYqKCgQExOjcePGUlJSnDt3zt69e8XHxwMAAAAAAAAAiIqKAgAAAAAAJ0+eBAAAcOHCBRAIBACULVsWAAAAAAAAAEDZsmUtXrwY9OvXT0REBACIiYkREREBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4C4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAUu1aqfruZMUjqridd9WVzdudGj4JQETyh0q1aqpoaGm38646PzfJ+blJoN6BzQoOZcrftlO5/r0Uj6jiRtYZR5t3V7ZfT1XeflWREiGgwsiBKowcCE6/PM3lpatBlZkThfXsomhoaXcKrys8ekx2whz5qekid6xy48w5EKgfqVjF8m7nXZX1wgT5qemgysyJwnp2UTS0tDuF1xUePSY7YY781HT1DmxWcChT/radyvXvpXhEFTeyzjjavDuAUu1aqfruZMUjqridd9WVzdudGj4JQJWZE4X17KJoaGl3Cq8rPHpMdsIc+anpAKrMnChQP0qJenUUKRHiUM0HAAAAAFQcNUj4pFFOvzzN5aWrle3XU5W3X3Vx0VLZCXNA/X9/dTU1XdaAl0BE8odKtWqqaGhpt/OuOj83yfm5SSByxyo3zpwDgfqRilUs73beVVkvTJCfmg7g6o5doNLk0cLiu7p1/iIAgCozJwrUj1KiXh1FSoQ4VPMBcOv8RWX79VRxeH8hkfe4U3jd5eUpzoxPBBHJHyrVqqmioaXdzrvq/Nwk5+c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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAWLBggYYNG6pbt66kpCS5ublefPFFubm5MjIyXLt2Tbdu3YSHh4MDBw7Ytm2bjIwMwWBQq1atdOrUSSAQsGDBAg0bNlS3bl3r16+XlpYmJibGwIEDARw4cMC2bdtkZGQIBoNatWqlU6dOAoEAOHr0qE2bNsnIyACdOnXSuXNnYWFh4OjRo1atWiUzM1MwGNSqVSudOnUSCAQsWLBAw4YN1a1bV1JSktzcXC+++KLc3FwZGRmuXbumW7duwsPDwdGjR61atUpmZqZgMKhVq1Y6deokEAhYsGCBhg0bqlu3rvXr10tLSxMTE2PgwIF2795t4cKFAJKTkyUnJwsGgxITEwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwF0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABkZGSIiIsyaNUtOTg6YNWuWnJwcAEeOHJGYmGjt2rVSUlJATEyM7OxsKSkp7r33XlFRUTIyMkBaWprMzEyQlpYmJiZGVFSUtWvXSklJATExMbKzs6WkpLj33ntFRUXZvHmz5cuXA4BNmzY5f/684cOHO3DggNmzZwPIycmRkpIC4uLiZGRkiIiIMGvWLDk5OWDWrFlycnIAHDlyRGJiogMHDpg9ezaAnJwcKSkpIC4uTkZGBkhLS5OZmQnS0tLExMQICwsTGRkpMzMTQJMmTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMBdAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQkpIiGAwaP368tLQ0aWlpevTooU2bNnbt2mX58uUOHTokJSVFp06d9OjRQyAQsHv3bpmZmcLDwwFkZGQIBoOmTJkiNDTU2LFjZWdnCwQCUlJSdOrUSY8ePQQCAbt375aZmSk8PFxubq7ly5dr0qSJTp06iYqKUlBQ4PPPP3f33XeDpUuXCgaDhg0bJiIiQm5uro8//hgApKSkCAaDxo8fLy0tTVpamh49emjTpo1du3ZZvny53NxcS5cuFQwGDRs2TEREhNzcXB9//DEAyMjIEAwGTZkyRWhoqLFjx8rOzhYbG2vChAlg8ODBBgwYIDY2FgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANwFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADBYNCLL74oPDxcWlqayMhIcXFxoF69emDPnj2gR48eAoEAKCgoAGFhYQBg2LBhIiIiAMDevXtBjx49BAIBUFBQAMLCwuzYsQM89dRTwsLCQCAQcOXKFREREbKysuTk5BgwYICIiAhZWVmWLl2qQYMGOnXqBCAYDHrxxReFh4dLS0sTGRkpLi4O1KtXDxw5ckROTo4BAwaIiIiQlZVl6dKlGjRooFOnTgBg2LBhIiIiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADcBQAAAAAAd27fmVWkaJEXAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA7ty5cxkAAAAAAO7cuTOrSJEiLwIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADUrVtXeHg4iIyMlJaWBiA0NBScPXsWBAIBAGXLlgUAEBMTIyIiAgDAhQsXQCAQAFC2bFkAAGFhYQByc3NlZmaKiYkBULZsWYsXLwb9+vUTEREBAOrWrSs8PBxERkZKS0sDEBoaCi5cuADKli1r8eLFoF+/fiIiIgBATEyMiIgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB37ty5DAAAcBcAAAAAAETn7H3pz/DGZRUpMhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4M6dO5fvKNIOAAAAAADatWv3UmpqatkiRYoMBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgMjISAAABQUFAoGAsLAwEBoaCg4cOCA6OlpBQYGzZ8+Cc+fOCQ8PB5GRkQAALl26pHr16uDAgQOio6MVFBQ4e/YsOHfunEAgAHbv3q1Zs2bOnTtn586dAEqUKAF2796tQ4cOIiIiwNGjR23atEmLFi1AZGQkAICCggKBQEBYWBi4ffs22L17tw4dOoiIiABHjx61adMmLVq0AJGRkQAALl26BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA7ty5c7lYsWLtAAAA7gIAAAAAAPjfub2D/gxvTJEiAwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADu3Llz+Y4i7e47l/EHAAAAAABAu3btBqWmpipSpMhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKhUqRLIyckREREBIiMjXb9+HcyePRsAwL59+3Ts2BEAAERGRrpw4YIOHTqA2bNnAwDYt2+f5s2bCwaDFi5caOHChWDAgAGgUqVKwsPDxcTESEtLk5aWBgAgLi4OAEClSpVATk6OiIgIEBkZ6dy5c2JiYqSlpUlLSwMAEBcXBwAAIiMjXbhwAQDA6dOnAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAACkT9sccTh5JIBANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAOhxPDAqFUCfviAAAAAAAAACIiIpIGg8HYQCAQCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQig8FgbERERCg+Pv4OAAAAAAAAAIRCoZjY2FiBQCAaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAcDicGg8FQVFRUHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEiZsD/mcPJIAoFoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgHA4nBgWCKVK2BcHAAAAAAAAEBERkTQYDMYGAoFIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAQCAQGQwGYyMiIkLx8fF3AAAAAAAAACAUCsXExsYKBALRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOFwODEYDIaioqLiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEDKhP0xh5NHEghEAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAhMPhxLBAKFXCvjgAAAAAAACAiIiIpMFgMDYQCEQCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKByGAwGBsRERGKj4+/AwAAAAAAAAChUCgmNjZWIBCIBgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACIfDicFgMBQVFRUHAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABSJuyPOZw8kkAgGgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgHA4nhgVCqRL2xQEAAAAAAABEREQkDQaDsYFAIBIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBAIRAaDwdiIiIhQfHz8HQAAAAAAAAAIhUIxsbGxAoFANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAOBxODAaDoaioqDgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQMmF/zOHkkQQC0QAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADhcDgxLBBKlbAvDgAAAAAAACAiIiJpMBiMDQQCkQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIFAIDIYDMZGRESE4uPj7wAAAAAAAABAKBSKiY2NFQgEogEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADC4XBiMBgMRUVFxQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAEgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAlAn7Yw4njyQQiAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAiHw4lhgVCqhH1xAAAAAAAAABEREUmDwWBsIBCIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgEApHBYDA2IiIiFB8ffwcAAAAAAAAAQqFQTGxsrEAgEA0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAOhxODwWAoKioqDgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAApEzYH3M4eSSBQDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQDgcTgwLhFIl7IsDAAAAAAAAiIiISBoMBmMDgUAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEIgMBoOxERERofj4+DsAAAAAAAAAEAqFYmJjYwUCgWgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgHA4nBgMBkNRUVFxAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIGXC/pjDySMJBKIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwuFwYlgglCphXxwAAAAAAABARERE0mAwGBsIBCIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgUBkMBiMjYiICMXHx98BAAAAAAAAgFAoFBMbGysQCEQDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAhMPhxGAwGIqKiooDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABIAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACkT9sccTh5JIBANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQDocTwwKhVAn74gAAAAAAAAAiIiKSBoPB2EAgEAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQig8FgbERERCg+Pv4OAAAAAAAAAIRCoZjY2FiBQCAaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgHA4nBoPBUFRUVBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEiZsD/mcPJIAoFoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBwOJwYFgilStgXBwAAAAAAABAREZE0GAzGBgKBSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAQCAQGQwGYyMiIkLx8fF3AAAAAAAAACAUCsXExsYKBALRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADhcDgxGAyGoqKi4gAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEDKhP0xh5NHEghEAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAITD4cSwQChVwr44AAAAAAAAgIiIiKTBYDA2EAhEAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKByGAwGBsRERGKj4+/AwAAAAAAAAChUCgmNjZWIBCIBgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAiHw4nBYDAUFRUVBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABSJuyPOZw8kkAgGgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBwOJ4YFQqkS9sUBAAAAAAAAREREJA0Gg7GBQCASAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBAIRAaDwdiIiIhQfHz8HQAAAAAAAAAIhUIxsbGxAoFANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQDgcTgwGg6GoqKg4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQMmF/zOHkkQQC0QAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4XA4MSwQSpWwLw4AAAAAAAAgIiIiaTAYjA0EApEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIFAIDIYDMZGRESE4uPj7wAAAAAAAABAKBSKiY2NFQgEogEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwuFwYjAYDEVFRcUBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEASAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAlAn7Yw4njyQQiAYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIh8OJYYFQqoR9cQAAAAAAAAARERFJg8FgbCAQiAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgEApHBYDA2IiIiFB8ffwcAAAAAAAAAQqFQTGxsrEAgEA0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQDocTg8FgKCoqKg4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAApEzYH3M4eSSBQDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEA4HE4MC4RSJeyLAwAAAAAAAIiIiEgaDAZjA4FAJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEIgMBoOxERERofj4+DsAAAAAAAAAEAqFYmJjYwUCgWgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBwOJwYDAZDUVFRcQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIGXC/pjDySMJBKIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMLhcGJYIJQqYV8cAAAAAAAAQERERNJgMBgbCAQiAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgUBkMBiMjYiICMXHx98BAAAAAAAAgFAoFBMbGysQCEQDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBB7udS11IOV4hIantuVDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASEtLS0QyAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAoHYwsLC1MzMzIT4+Ph8AAAAAAAAAIBwOLw7JiYm4caNG6mBQKAiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANy4ceN8IBBICIfDuwEAAAAAAAAAACC7SmxioEQgGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKxl0tdSz1YKS6h4bld+QAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAtLS0RCQDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBCILSwsTM3MzEyIj4/PBwAAAAAAAAAIh8O7Y2JiEm7cuJEaCAQqAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwI0bN84HAoGEcDi8GwAAAAAAAAAAALKrxCYGSgSSAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQe7nUtdSDleISGp7blQ8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABIS0tLRDIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKB2MLCwtTMzMyE+Pj4fAAAAAAAAACAcDi8OyYmJuHGjRupgUCgIgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA3Lhx43wgEEgIh8O7AQAAAAAAAAAAILtKbGKgRCAZAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCsZdLXUs9WCkuoeG5XfkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIC0tLREJAMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQiC0sLEzNzMxMiI+PzwcAAAAAAAAACIfDu2NiYhJu3LiRGggEKgIAAAAAAAAAAAAAAAAAAAAAAAAAAADAjRs3zgcCgYRwOLwbAAAAAAAAAAAAsqvEJgZKBJIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEHu51LXUg5XiEhqe25UPAAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhLS0tEMgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCgdjCwsLUzMzMhPj4+HwAAAAAAAAAgHA4vDsmJibhxo0bqYFAoCIAAAAAAAAAAAAAAAAAAAAAAAAAAADcuHHjfCAQSAiHw7sBAAAAAAAAAAAgu0psYqBEIBkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEArGXS11LPVgpLqHhuV35AAAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgLS0tEQkAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEIgtLCxMzczMTIiPj88HAAAAAAAAAAiHw7tjYmISbty4kRoIBCoCAAAAAAAAAAAAAAAAAAAAAAAAAMCNGzfOBwKBhHA4vBsAAAAAAAAAAACyq8QmBkoEkgEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBB7udS11IOV4hIantuVDwAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASEtLS0QyAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAoHYwsLC1MzMzIT4+Ph8AAAAAAAAAIBwOLw7JiYm4caNG6mBQKAiAAAAAAAAAAAAAAAAAAAAAAAAANy4ceN8IBBICIfDuwEAAAAAAAAAACC7SmxioEQgGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKxl0tdSz1YKS6h4bld+QAAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAACAtLS0RCQDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBCILSwsTM3MzEyIj4/PBwAAAAAAAAAIh8O7Y2JiEm7cuJEaCAQqAgAAAAAAAAAAAAAAAAAAAAAAwI0bN84HAoGEcDi8GwAAAAAAAAAAALKrxCYGSgSSAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQe7nUtdSDleISGp7blQ8AAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAABIS0tLRDIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKB2MLCwtTMzMyE+Pj4fAAAAAAAAACAcDi8OyYmJuHGjRupgUCgIgAAAAAAAAAAAAAAAAAAAAAA3Lhx43wgEEgIh8O7AQAAAAAAAAAAILtKbGKgRCAZAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCsZdLXUs9WCkuoeG5XfkAAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAIC0tLREJAMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQiC0sLEzNzMxMiI+PzwcAAAAAAAAACIfDu2NiYhJu3LiRGggEKgIAAAAAAAAAAAAAAAAAAADAjRs3zgcCgYRwOLwbAAAAAAAAAAAAsqvEJgZKBJIBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEHu51LXUg5XiEhqe25UPAAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAAEhLS0tEMgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCgdjCwsLUzMzMhPj4+HwAAAAAAAAAgHA4vDsmJibhxo0bqYFAoCIAAAAAAAAAAAAAAAAAAADcuHHjfCAQSAiHw7sBAAAAAAAAAAAgu0psYqBEIBkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEArGXS11LPVgpLqHhuV35AAAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAAgLS0tEQkAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAgEIgtLCxMzczMTIiPj88HAAAAAAAAAAiHw7tjYmISbty4kRoIBCoCAAAAAAAAAAAAAAAAAMCNGzfOBwKBhHA4vBsAAAAAAAAAAACyq8QmBkoEkgEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBB7udS11IOV4hIantuVDwAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAAAASEtLS0QyAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAoHYwsLC1MzMzIT4+Ph8AAAAAAAAAIBwOLw7JiYm4caNG6mBQKAiAAAAAAAAAAAAAAAAANy4ceN8IBBICIfDuwEAAAAAAAAAACC7SmxioEQgGQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKxl0tdSz1YKS6h4bld+QAAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAACAtLS0RCQDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAIBCILSwsTM3MzEyIj4/PBwAAAAAAAAAIh8O7Y2JiEm7cuJEaCAQqAgAAAAAAAAAAAAAAwI0bN84HAoGEcDi8GwAAAAAAAAAAALKrxCYGSgSSAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCAQe7nUtdSDleISGp7blQ8AAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAABIS0tLRDIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAKB2MLCwtTMzMyE+Pj4fAAAAAAAAACAcDi8OyYmJuHGjRupgUCgIgAAAAAAAAAAAAAA3Lhx43wgEEgIh8O7AQAAAAAAAAAAILtKbGKgRCAZAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCsZdLXUs9WCkuoeG5XfkAAAAAAAAAAAAAAAAAAAAAQQAAAAAAAAAAAAAAAAAAAAAAAIC0tLREJAMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEJDp+fPnOyIjI3OFhITEAAAAAAAAAMDJoEw1AuIEzAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBmWLjvt9xMUmWXKkfH44BAACATwEAAAAAAGDnzp01MBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIyPX/+fEdkZGSukJCQGAAAAAAAADgZlKlGQJyAmQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIFNs3Pc7LibJkiv148MxAAAAnwIAAAAAAOzcubMGZgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBApufPn++IjIzMFRISEgMAAAAAACeDMtUIiBMwEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBGSKjft+x8UkWXKlfnw4BgAAPgUAAAAAgJ07d9bATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIyPT8+fMdyAwAAAAAcDIoU42AOAEzAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQECm2LjvdyAzAAB8CgAAAAAAHz9+HBkQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICATAAAAAAAIMBIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBGQCAAD4FAAAAAAAAgICEgMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQEBiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgE8BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD4FAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPgUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOBTAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhMTxcbGAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADQv39/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFASAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoPa811Tscqed9W4FAAAAAAAAAAAAAAAAAAAA0HDN52Bv8iMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAotNnKN8pwc56twIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUHvea8p3aKdEtSrgcu5+hb9vdmxMGgAAAAAAAAAAqDY0VdT4oc58vNSxMWkAAAAAoGSwqmIRpQEAAAAAAAAAAAAAAAAAAABAiciKAKoNTRU1fqgzHy91bEwaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIDiZcsoFlFauU4JCtdlAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAARUVFVq9eLSsrC4wYMUJUVBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIycmxePFiaWlpAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADKdUpQ660JSkXXBAClQ/UBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABA8TIRLu87BAAAAAAAAAAAAAAAAAAAAAAAoFKf7mq+/oKzSzIcG5MGAAAAAAAAAAAAAAAAAAAAyie1UbguCwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBDhw5ZuXKl7OxsANOmTRMZGQkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABOnDhh/PjxxowZIyYmBgAAAAAAAAAAAAAAAACcOHHC+PHjjRkzRkxMDAAAAAAAAAAAAAAAAAAAAIANGzbIyMgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABnz54VDocBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEDUqKeViq6p8Lc/5X/zg7OLlwMAAAAAAAAAAACAk3MWOTlnEQAAAAAAAAAAAAAAAAAAAAAAAAAAAACAEtWquL4zF5ycs8jJOYsAAAAAAAAAAAAAAAAAAAAAQETDuopFlFa6QV0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJ8esWbMAABQUFIiMjAQAAAAAAAAAkJ+fb+rUqVJTU8XExAAAAAAAAAAAAAAAgPz8fFOnTpWamiomJgYAAAAAAAAAAAAAAAAA5Ofnmzp1qtTUVDExMQAAAAAAAAAAAAAAAAAAAAAAAAB+/vlnoVDIM888IzIyEgAAAEB+fr6pU6dKTU0VExMDAAAAAAAAAAAAAAAAAPLz802dOlVqaqqYmBgAAAAAAAAAAAAAAAAAAAD5+fmmTp0qNTVVTEwMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoWSMKFP29w9nFywEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQKU+3QEAAAAAAAAAAAAAAAAAAAAAAADUnvea8h3aOTzkJYXrsgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBJAAAAAAAAAAAAAAAAAAAAAAAAAAA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VUCyitAt/blW4LgucnLPIyTmLAABU7vsQuF5w3sXtuwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4dOiQcDisT58+AAAAoKioSHp6ulAopE+fPqKjo+Xk5Jg1a5bc3FyxsbEWLVoEBg4cqG7duqKiogCMHTsWDBgwQL9+/SQlJQEAAIDFixcLBoMGDRokOjpafn6++fPnA1i0aBEYOHCgunXrioqKAjB27FgwYMAA/fr1k5SUBAAAACAjI0MwGDRmzBiZmZkyMzN169ZNhw4dbNq0yZIlS+zcuVNGRoaUlBTdunUTCARs3rxZbm6uqKgokZGRxo4dCwYMGKBfv36SkpIAAAAUFRVJT08XCoX06dNHdHS0nJwcs2bNkpubKzY2FmRnZwsGgyZOnKhixYpGjx4tLy9PTEwMAICioiLp6elCoZA+ffqIjo6Wk5Nj1qxZcnNzxcbGWrhwoQ0bNkhPTzdx4kTR0dEAAAAgJibG2LFjwYABA/Tr109SUhKAf//9VygU8sQTTwgEAk6cOAEiIiLA4sWLBYNBgwYNEh0dLT8/3/z588GhQ4dkZGRISUnRrVs3gUDA5s2b5ebmioqKEhkZaezYsWDAgAH69esnKSkJAGRkZAgGg8aMGSMzM1NmZqZu3brp0KGDTZs2WbJkifz8fIsXLxYMBg0aNEh0dLT8/Hzz588HANnZ2YLBoIkTJ6pYsaLRo0fLy8uTlJRk7NixYMCAAfr16ycpKQkAAABAKBTSo0cPMTExTpw4Yfz48Xbs2CE2NhYAABw6dEhGRoaUlBTdunUTCARs3rxZbm6uqKgoANnZ2YLBoIkTJ6pYsaLRo0fLy8sTExNj0aJFYODAgerWrSsqKgoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDZxcudXbwcAAAAQGjDMtfO5NvXNRUAQPHy5QCUrFUdXC84DwAAoFhEaed+WAcAAAAAoERkRVC4LgvA1fApAAAAAAAAAFdPnHJyziJwef8h5dq3BXBp70FQonIlcDV8Ssym78CZj5fKmzIbAAAAAAAAAJSIrAgK12UBuBo+BQAAAACuHDomb8psAAAAV8OnxGz6Dpz5eKm8KbMBAAAAwJVDx5SuH614IMKVQ8cUrssSiG2i2tBUpaJrOb8uC5SsVR1cLzgPAAAAAAAAAODKoWPO/5Kpct+HRI162r51WQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA3HzzzUKhELj55psBAABAZGQkAAAACIfDoEePHqKjo0FsbKxgMOjs2bMgHA4LhUKOHTsmEAioWLGiQCAAAAAAAADg0KFDwuGwfv36iY6OdujQIYsXL9a8eXMpKSkgHA4LhUKOHTsmEAioWLGiQCAAAAAAAAAAIBgMGjFihKioKJmZmUKhkK5du4ImTZqALVu2gG7dugkEAqCoqAhERkYCAAAAAAAIh8OgR48eoqOjQWxsrGAw6OzZswBg0KBBoqOjAQAAAITDYdCjRw/R0dEgNjZWMBh09uxZAIFAAAAAAAAAAAAAQDgcdu+99woEAiAqKsrChQvBoUOHhMNh/fr1Ex0d7dChQxYvXqx58+ZSUlKsXr0adOvWTSAQAEVFRSAyMhIAAAAABINBI0aMEBUVJTMzUygU0rVrV9CkSRPw77//CofD+vXrJzo62qFDhyxevFjz5s2lpKQAgEGDBomOjgYAAAAAAAAAAK1btxYTEwOioqIkJia6cOECAACArVu3gm7dugkEAqCoqAhERkYCgEGDBomOjgYAEA6HhUIhx44dEwgEVKxYUSAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADFIiKUadNSdPoMpxd9qXBdlkp9uot8oLOybVu5cemyvCmzVRuaCip07uT8hk0gatTTikWUdnnfQQCVendzLf+ck3MWqdSnuypP9HLxr+2OjUkDAHD1+AmlomuqPe81RwaPV65TgtLRtUC1oalOzlmkdP1oAAAAAACX9x8CAFCuU4LCdVnOLl6u1vSJFAPKtmmlYMWP8qbMBjXfHKfivXe4sGW7G5cuq3jvHa4XnJc3ZbZKfbor1ykBAAAAXD1+QqnommrPe82RweOV65SgdHQtUG1oqpNzFgEAALi8/xAAgBKVI13LPwfKtmmlYMWP8qbMBjXfHKfivXe4sGW7Q/1GAgAAuJZfoFSNoECLZgq+WytvymxVh/RX4a4OikWUdnHzNnBpZy6o0LmT8xs2gahRTysWUdrlfQcBAAAAQInKkWBPmy4g0CxGmTYt1XxznGNj0gAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAyMhIY8eOBQAAAABFRUUAoKioyOrVq128eFHPnj3l5+eDQCAAAABgzJgxVq9eLSMjAwSDQampqWJiYgAAAAAAAEClSpV89NFHoE+fPqKjowGMGTPG6tWrZWRkgGAwKDU1VUxMDAAAAAAAAGjcuLGoqCgQCoVkZmYCqFixIjh+/DgIBAIAKlWqBAAAAAAAACA/Px8EAgEAAACQmJgoOjoaAAAAAOTn54NAIAAAAACqV68OAAAAAAAAAAAAAAAAACpVquSjjz4Cffr0ER0dDU6dOgUCgQCASpUqAQAAAACAxo0bi4qKAqFQSGZmJoCKFSuCU6dOgUqVKvnoo49Anz59REdHA4DExETR0dEAAAAAAAAAAAAOHz4MAAAAAABOnToFAoEAgEqVKgEASExMFB0dDQAAxowZY/Xq1TIyMkAwGJSamiomJgYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADA+V8yVe77kAp3d1Th7o4A4Maly8LTFoCTcxap3PchpUP11ftiLoBrJ087NiYNXNz0tzJtWooaP1TU+KEArhw5DgAALmzMVqZNS5E97hHZ4x4AUOGuDk7OWQQAAAAAAADg8r6DyrVvq3xSG4XrssD1gvOKlSjpyqFjSkXXVHVIf1WH9AcAl/fscx4V7u6o6pD+qg7pDwBKxzQAAAAXNmYr06alyB73iOxxDwCocFcHJ+csAgAAAABwveC8EpEVnZyzSOW+DykVXVPVIf1VHdIfAFzesw8AlKoZBQAu/rVdoO9Dbly67Mjg8eDaydPKtGnpesF5J+csAifnLFK570NKh+qr98VcANdOnnZsTBoAAAAAKBFZEQCcePs90e9NFdm9s4JVvyhclwUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABKAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASDQbBo0SKDBg0SHR3t0KFDVq5cKTs7W0pKCoiKigJZWVmCwSDYsGGDcDisevXqICYmRkxMDDhx4oSZM2fKzMwUExMDAAAAAAAiIiLA5s2b3XnnnaKjo8GePXusXr1a27ZtxcfHi4mJASdOnDBz5kyZmZliYmIAAAAAAABAKBQCAFBUVCQQCIiMjAQVK1YEOTk5YmNjFRUVOX78ODhx4oSoqCgAAAAAABAVFQWysrIEg0GwYcMG4XBY9erVAYRCIQAAZ86cAQAAUVFRICsrSzAYBBs2bBAOh1WvXh0AAAAAAAAAAAAAAAAAQEREBNi8ebM777xTdHQ02LNnj9WrVwsEAiAnJ0dsbKyioiLHjx8HJ06cEBUVBQAAACAUCgEAKCoqEggEREZGguvXr4PNmze78847RUdHgz179li9erW2bduCUCgEAODMmTMAAAAAAAAALly4oKioSCAQcOjQIZmZmVJSUgDk5uYCgDp16oCcnByxsbGKioocP34cnDhxQlRUFAiFQgAAzpw5A2JiYsTExIATJ06YOXOmzMxMMTExAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAI6NSXO94LwKnTspHaoPrhecd2n3f858vsLZxcsBHH1+iuoThgnENgFFObvlTZkNYF/XVPW+mq9My+aKVyzvesF559b85sjg8eD6hYtuXLoMIG/KbMUrlhfZvbPiFcu7XnDeuTW/gfId2oFr+QUAAAAA4NrJ04oHIgBcOXQMXMs/B+DqiZPg2IS3VHu2nzItmytesbwbly67tGefghU/OTlnEag97zUVktsrXrG8G5cuu7Rnn1I1ggCuX7joxqXLAPKmzFa8YnmR3TsrXrG86wXnnVvzGyjfoR0AAIAbly67fuEiALh64iSAo89PUe3Zfsq0bK54xfJuXLrs0p59Clb85OScRQBuXLrs0n8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AAAAAAKAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5+ebP38+eOaZZ0RGRgIAAChbtiyYPHkygFAoJDExUVJSEgDYs2ePZcuWyc3NFQwGJSQkSElJEQgEAAAAAAAA7Nmzx4EDB2zZskV+fr60tDQAAJs3b7Zs2TITJ04UCAQAzJs3T9u2bcXHx4OcnBzr16+XnZ0tGAxKSEiQkpIiEAj48ssv1apVC2zbtk12drZQKGT48OECgYDNmzdbtmyZtLQ0ALB582Zr166Vm5srFApJTU0VFRUFxo0bp0ePHuLj4wGMGzdOjx49xMfHA9izZ48DBw7YsmWL/Px8aWlpAAAA9uzZY9myZXJzcwWDQQkJCVJSUgQCAXDo0CFZWVlWr14NgsGg1NRUMTExxo0bp0ePHuLj4wGMGzdOjx49xMfH27x5s2XLlklLSwOQm5tr165ddu3aJSMjQzAYdMcdd0hOTgYwb948LVq00LhxY4sWLZKfn2/EiBHy8/NlZ2e7cOGCe++9V1RUFNizZ49ly5bJzc0VDAYlJCRISUkRCATMmzdPixYtNG7c2KpVq2RmZkpMTNS/f3+bN2+2YMECAOnp6dLT0wWDQWlpaQAAAHJycqxfv152drZgMCghIUFKSopAIGDevHlatGihcePGVq1aJTMzU2Jiov79+wM4dOiQlStXys7OBr169QLVq1cHAACQm5tr165ddu3aJSMjQzAYdMcdd0hOTgbw5ZdfqlWrFti2bZvs7GyhUMjw4cMFAgGwefNma9eulZubKxQKSU1NFRUVBeDQoUNWrlwpOzsb9OrVC1SvXh2MGzdOjx49xMfHAxg3bpwePXqIj48HRUVFvvjiC5mZmUKhkC5duoiNjbV582YLFiwAkJ6eLj09XTAYlJaWBmDPnj0OHDhgy5Yt8vPzpaWlAQDYvHmzBQsWAEhPT5eeni4YDEpLSwObN2+2du1aubm5QqGQ1NRUUVFRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGzfvl1ubi7Yvn27pKQkAAAA3bp1U6ZMGVlZWcLhMMjNzZWbm+vMmTO6du0KcnJyzJo1C0A4HJaRkQG6du0KAAAAAGDPnj0WLVokHA4DCAaDAACgevXqwuGw3NxcsbGx4NChQ7Kzs3Xo0AGsXLlSRkYGSExMlJeXJyMjQ9OmTcXExLhw4YL09HRxcXFSUlJ07drV5MmThcNh0dHRioqKhMNhALBhwwbp6ekAcnNzzZw508SJE4XDYeFwGABAOBxWVFQE9uzZY9GiRcLhMIBgMAgAACAnJ8esWbMAhMNhGRkZoGvXrnJycsyaNQsAhMNheXl5AoGAcDgMACAcDisqKgJFRUXC4TAAgIyMDADhcNiSJUvUqFFDbGwsyM7OFh0dbebMmcLhMJg5c6ZwOAzg33//lZaWJicnx6xZswCEw2EZGRmga9eusrOzQWZmptzcXJCZmSkxMVFkZKRQKCQ3NxdAXFwcAAAAWLlypYyMDJCYmCgvL09GRoamTZuKiYmRnZ0NMjMz5ebmgszMTImJiWJiYuzZs8ebb74JAJYsWQICgQAAAADIyMgAEA6HLVmyRI0aNcTGxoILFy5IT08XFxcnJSVF165dTZ48WTgcFh0dbcOGDdLT0wHk5uaaOXOmiRMnCgQC9uzZ48033wQAS5YsAYFAwKFDh4TDYQAA4XBYUVERKCoq8uGHH8rOzga5ublmzZpl+PDhIiMjhUIhubm5AOLi4gDs2bPHokWLhMNhAMFgEAAAREZGCoVCcnNzAcTFxQHYsGGD9PR0ALm5uWbOnGnixIkCgQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACBQEDXrl117doV5OfnO3TokMWLF8vIyNCuXTtRUVEWL14sGAwaNGiQ6Oho+fn55s+fDwAAAAAAYNGiRWDgwIHq1q0rKioKAABAdHS0UChk/fr1YmNjwdatWwWDQaFQyKFDh2RkZEhJSdGtWzeBQMDmzZvl5uaKiooC//77r1Ao5IknnhAIBJw4cQJEREQAAICioiLp6elCoZA+ffqIjo6Wk5Nj1qxZcnNzRUZGgurVqwM4dOgQAFi0aBEYOHCgunXrioqKAgAAAIsXLxYMBg0aNEh0dLT8/Hzz588HRUVFFi9eLBgM6tOnj9jYWIcOHTJ58mQAUL16dQCHDh0CAAAAAKFQSI8ePcTExDhx4oTx48fbsWOH2NhYABkZGYLBoDFjxsjMzJSZmalbt246dOhg06ZNlixZIj8/3+LFiwWDQYMGDRIdHS0/P9/8+fMBQHZ2tmAwaOLEiSpWrGj06NHy8vIkJSUZO3YsGDBggH79+klKSgIAAHDo0CEZGRlSUlJ069ZNIBCwefNmubm5oqKiAGRnZwsGgyZOnKhixYpGjx4tLy9PTEyM1atXi4uL07VrV9HR0YqKiqxevVpGRgYAAACAUCikR48eYmJinDhxwvjx4+3YsUNsbCz4999/hUIhTzzxhEAg4MSJEyAiIkJRUZH09HShUEifPn1ER0fLyckxa9Ysubm5YmNjrV69WlxcnK5du4qOjlZUVGT16tUyMjIAQPXq1QEcOnQIAGzevFl2draBAweKj4+Xn5/vs88+AzExMcaOHQsGDBigX79+kpKSACxatAgMHDhQ3bp1RUVFAQAAiImJMXbsWDBgwAD9+vWTlJQEioqKpKenC4VC+vTpIzo6Wk5OjlmzZsnNzRUbGwsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKAkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADcfPPNQqEQuPnmmwEAAAAAQGRkpMjISKmpqd58802XLl1y6NAh4XBYv379REdHO3TokMWLF2vevLmUlBQAAAAAABAOh4VCIceOHRMIBFSsWFEgEAAAAHDnnXdasGCB/Px8ERERsrKy3HHHHQKBgK1bt4Ju3boJBAKgqKgIREZGgnA47N577xUIBEBUVJSFCxcCAAAIh8OgR48eoqOjQWxsrGAw6OzZsyIjIwEAAACEw2GhUMixY8cEAgEVK1YUCAQAAMChQ4eEw2H9+vUTHR3t0KFDFi9erHnz5lJSUuTm5gqHw8aMGSMmJgYA1KtXDwAAAAAAAAC0bt1aTEwMiIqKkpiY6MKFCwAgGAwaMWKEqKgomZmZQqGQrl27giZNmoB///1XOBzWr18/0dHRDh06ZPHixZo3by4lJQUADBo0SHR0NAAAAAAAAADYunUr6Natm0AgAIqKikBkZCQAGDRokOjoaAAA2dnZxowZIzo6GgQCAa1atZKRkQEAAACgdevWYmJiQFRUlMTERBcuXAAQDofde++9AoEAiIqKsnDhQnDo0CHQo0cP0dHRIDY2VjAYdPbsWZCdnW3MmDGio6NBIBDQqlUrGRkZAAAAAABWrVolJSVFfHw8iIyMNHjwYAAAAAAQDoeFQiHHjh0TCARUrFhRIBAAAAAAAAAQDodBjx49REdHg9jYWMFg0NmzZwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACIjIw0duxYAAAAAF9++aUqVapITk4GAHDp0iUAAJUqVfLRRx+BPn36iI6OBgAAAAAAMGbMGKtXr5aRkQGCwaDU1FQxMTEAACA2NhZs2rRJpUqVhMNhbdq0AadOnQKBQABApUqVAAAAAAAAAEB+fj4IBAIAAAAgLy9PdHQ0AAAYM2aM1atXy8jIAMFgUGpqqpiYGAAAAJUqVfLRRx+BPn36iI6OBmfPngUxMTEAioqKAADk5eWJjo4GAAAAAACHDx8GAAAA0LhxY1FRUSAUCsnMzARQsWJFcOrUKVCpUiUfffQR6NOnj+joaACQmJgoOjoaAAAAAAAAAMCpU6dAIBAAUKlSJQAAiYmJoqOjAQAAAAAAAAAAABw+fBgAAAAAAABAfn4+CAQCAAAAAAAAAADy8vJER0cDAIBwOCwhIQEAAAAAAACMGTPG6tWrZWRkgGAwKDU1VUxMDAAAAAAAyM/PB4FAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAuHDhgtWrV6tUqZLY2FiBQEB+fr7t27dbtWqVYDAoOjraiRMnwObNm915552io6PBnj17rF69Wtu2beXm5gIAyM3NBQAQExMjJiYGnDhxwsyZM2VmZoqJiQEAAIFAQLdu3WzZsgWkpKSIjIwEderUATk5OWJjYxUVFTl+/Dg4ceKEqKgoAAAAAAAAUVFRICsrSzAYBBs2bBAOh1WvXl10dDQ4duwYgLy8PAAQExMjJiYGnDhxwsyZM2VmZoqJiQEAEBERATZv3uzOO+8UHR0N9uzZY/Xq1apWrQpWrlwpJSVFIBCQnZ0NIDo6Ghw7dgxAXl4eAAAAALhw4YKioiKBQMChQ4dkZmZKSUkBAKFQCABAUVGRQCAgMjISXL9+HWzevNmdd94pOjoa7Nmzx+rVq7Vt2xaEQiEAAGfOnAEAAAAAAFCnTh2Qk5MjNjZWUVGR48ePgxMnToiKigKhUAgAwJkzZ0AwGLR69WqBQEB0dLT8/Hxbt24FAAAAABcuXFBUVCQQCDh06JDMzEwpKSkAAAAAICoqCmRlZQkGg2DDhg3C4bDq1auDYDBo9erVAoGA6Oho+fn5tm7dCiA6OhocO3YMQF5eHgCAlStXeuihh0RFRcnPz7d+/XpNmzYVExMDAAAAYmJixMTEgBMnTpg5c6bMzEwxMTEAAAAAACAqKgpkZWUJBoNgw4YNwuGw6tWrAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgJIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkJiYKDMz04IFCwAABINBI0aMAFFRURITE2VmZsrMzAQA0LVrVzk5OQAAAADWrFljyZIlAABatWoFAAAAWrVqJSMjA/Tp0wdAkyZNwKxZswAAbNu2TXJyMgAAAAAAgKioKImJiVavXm316tUA4uLixMTEgFAoJCMjQ0ZGBgCANWvWWLJkCQCAVq1aAQCAqKgoiYmJMjMzZWZmAgAYO3asv//+W0ZGhoyMDAAQHR0NQqGQjIwMGRkZAAAAAAAgOzvb0KFDAUBCQgIAAIDq1auDcDgsOjoahEIhJ06ckJiYKDMzU2ZmJgCArl27AgCAUCjk1KlTAACOHj0KAAAAmjRpAmbNmgUAYNu2bZKTkwEAQCgUcurUKdCjRw8LFiyQnZ0NACAvL090dDQAAIDs7GxDhw4FAAkJCQAAAAAgKipKYmKi1atXW716NYC4uDgxMTGgR48eFixYIDs7GwBAXl6e6OhooVBIRkaGjIwMAADQq1cvS5YskZ2dDQBq1qwJAODo0aMA1qxZY8mSJQAAWrVqBQAAAACOHj0KICoqSmJiotWrV1u9ejWAuLg4MTExAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAxMTEmDhxoqysLKtXrwahUEjr1q21adNGZGQkgN69ewuFQjIzM+Xm5goGgxISErRr105UVJSqVatKTEwEAFWrVpWYmAigRYsWTp8+bevWrcLhsGAwqFWrVu6++24AAAAQHR0tFAqpUKGC6OhoANHR0caMGWPZsmVyc3OFQiFdunQB69evl5ycLC4uTiAQAAAAEAgEBINBANC7d29Vq1aVkZEBunXrJiUlBUBqaqqlS5fKzs4WDAa1atXK1q1bBQIBjRs3dvr0aVu3bhUOhwWDQa1atXL33XcDAADo3bu3UCgkMzNTbm6uYDAoISFBu3btREVFGTt2rPXr18vKyhIOhwEApKamWrp0qezsbMFgUKtWrWzdulUgEACBQEAwGAQAEAwGQTgcFgqF9OjRQ3R0NIC4uDhFRUUAIiMjQUREBIAGDRqAbt26CYVCMjMz5ebmCgaDEhIStGvXTlRUlGAwKBAIAIAGDRoAAAgGgxo2bAgAAACio6ONGTPGsmXL5ObmCoVCunTpAtavXy85OVkwGBQIBABAgwYNAMTHxwsEAr777ju5ubmCwaCEhASHDh0CAAAAEAwGQTgcFgqF9OjRQ3R0NIC4uDiBQAAAAEDv3r1VrVpVRkYG6Natm5SUFADx8fECgYDvvvtObm6uYDAoISHBoUOHAKSmplq6dKns7GzBYFCrVq1s3bpVIBAAycnJAoGAzMxMubm5QqGQLl26iI2NBQDBYFDDhg0BtGjRwunTp23dulU4HBYMBrVq1crdd98NAAAAIBgMatiwIQDo3bu3qlWrysjIAN26dZOSkgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAdHS06OhoPXv2BAAAAIFAQFJSkqSkJAAA0LVrVwAAXbt2BQBRUVF69uypZ8+eAAAAAAAAnnnmGQAAEBMTY+zYsQAAYmNjweDBgwEAAEB8fLz4+HgAEAgEdO3aVdeuXQEAQFRUlMGDBwOAnj17AujZs6eePXsCAAAAAAgEApKSkiQlJQEAgMjISF27dtW1a1fw0UcfAYCoqCiDBw8GAD179gQQHx8vPj4eAEDjxo31798fAADA4MGDAUBUVJSFCxcCgJ49ewJISkqSlJQEAADS0tIAAPTs2RMAQFpaGgAAAACIiYkxduxYAACxsbEgLS0NAEDPnj0BQGxsrNjYWAAAAAAAAI0bN9a/f38AAACDBw8GAAAAgUBA165dde3aFQAAQGxsrNjYWAAAAFFRUQYPHgwAevbsCQCSkpIkJSUBAACAtLQ0ABAVFaVnz5569uwJAAAAAAAgLS0NAEAgENC1a1ddu3YFAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAiIyMBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAZGdnGzp0KABISEgATZo0AbNmzQIAsG3bNsnJyQDg6NGjAAAAICoqSmJioszMTJmZmQAAunbtCgAAQqGQU6dOAQA4evQogDVr1liyZAkAgFatWgEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAkgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwWAQhMNhoVBIjx49REdHg+joaGPGjLFs2TK5ublCoZAuXbqA9evXS05OBhAMBjVs2BAABAIBwWAQAPTu3VsoFJKZmSk3N1cwGJSQkKBdu3aioqIEg0GBQAAANGjQAABAMBjUsGFDAC1atHD69Glbt24VDocFg0GtWrVy9913AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACNGzfWv39/AAAAMTExxo4dCwAgNjYWAKSlpQEAiI+PFx8fDwACgYCkpCRJSUkAACAtLQ0AQM+ePQEApKWlAYCoqCg9e/bUs2dPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUBIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgJIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAkJiYKDY2FgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACA/v37AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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jixYtkp+fb8SIEfLz82VnZ7tw4YJ7771XVFQUyMnJsX79etnZ2YLBoISEBCkpKQKBgHnz5mnRooXGjRtbtWqVzMxMiYmJ+vfvD6CoqMgXX3whMzNTKBTSpUsXsbGxAPbs2WPZsmVyc3MFg0EJCQlSUlIEAgEAAJCbm2vXrl127dolIyNDMBh0xx13SE5OBgB79uyxbNkyubm5gsGghIQEKSkpAoGAL7/8Uq1atcC2bdtkZ2cLhUKGDx8uEAjYvHmzZcuWSUtLAwCbN2+2du1aubm5QqGQ1NRUUVFRAA4dOmTlypWys7NBr169QPXq1cHmzZstW7ZMWloaACgqKvLFF1/IzMwUCoV06dJFbGwsgJycHOvXr5ednS0YDEpISJCSkiIQCAAAAACAcePGuffeeyUlJQGANWvW+Pnnn6WlpQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAkgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAsH37drm5uWD79u2SkpIAAMC///6rcePGAABOnTolGAwCgJycHLNmzQIQDodlZGSApk2bCoVCcnNzAcTFxQG4cOGC9PR0cXFxUlJSdO3a1eTJk4XDYdHR0YqKioTDYQCQk5Nj1qxZAMLhsIyMDNCqVSvhcFhubq7Y2Fhw6NAh2dnZOnToAHJycsyaNQtAOByWkZEBunbtCgAAYMmSJQBg9erVtm7dauLEiQKBgEOHDgmHwwAAwuGwoqIisGfPHosWLRIOhwEEg0FQVFQkHA4DgOzsbJCZmSk3NxdkZmZKTEwUExMjJyfHrFmzAITDYRkZGaBr16727Nlj0aJFwuEwgGAwCPbs2WPRokXC4TCAYDAIAAAAMjIyAITDYUuWLFGjRg2xsbEgJyfHrFmzAITDYRkZGaBr164uXLggPT1dXFyclJQUXbt2NXnyZOFwGITDYQAQCoVUr14dwIYNG6SnpwPIzc01c+ZMEydOFAgEXLhwQXp6uri4OCkpKbp27Wry5MnC4bDo6GjZ2dmio6PNnDlTOBwGM2fOFA6HAfz777/S0tKsXLlSRkYGSExMlJeXJyMjQ9OmTcXExMjOzgaZmZlyc3NBZmamxMREMTExioqKfPjhh7Kzs0Fubq5Zs2YZPny42NhYOTk5Zs2aBSAcDsvIyABdu3YFAACQkZEBIBwOW7JkiRo1aoiNjQU5OTlmzZoFIBwOy8jIAF27dnXhwgXp6eni4uKkpKTo2rWryZMnC4fDoqOjFRUVCYfDAGDDhg3S09MB5ObmmjlzpokTJwoEAvbs2ePNN98EAEuWLAGBQAAUFRUJh8MAoKioyIcffig7Oxvk5uaaNWuW4cOHi42NtXLlShkZGSAxMVFeXp6MjAxNmzYVExMDAAAAABo3biw9Pd3NN98sMjIS5OfnW7JkicTERAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgHA674447ABw6dEhWVpbMzEzDhw8HAIsXLxYMBg0aNEh0dLT8/Hzz588HMTExxo4dCwYMGKBfv36SkpIA/Pvvv0KhkCeeeEIgEHDixAkQEREBAABg8eLFgsGgQYMGiY6Olp+fb/78+SA6OlooFLJ+/XqxsbFg69atgsGgUCgEFi9eLBgMGjRokOjoaPn5+ebPnw8AAAAgFArp0qWL2NhYsHnzZgsWLJCTkyM+Ph5A9erVARw6dAgALFq0CAwcOFDdunVFRUUBAAAAyM7OFgwGTZw4UcWKFY0ePVpeXp6YmBiLFy8WDAYNGjRIdHS0/Px88+fPB7Bo0SIwcOBAdevWFRUVBWDRokVg4MCB6tatKyoqCgAAAEAoFNKjRw8xMTFOnDhh/PjxduzYITY2FixevFgwGDRo0CDR0dHy8/PNnz8fwL///isUCnniiScEAgEnTpwAERERoqKiLFy40IYNG6Snp5s4caLo6GgARUVF0tPThUIhffr0ER0dLScnx6xZs+Tm5oqNjfXvv/8KhUKeeOIJgUDAiRMnQEREBICMjAzBYNCYMWNkZmbKzMzUrVs3HTp0sGnTJkuWLLFz504ZGRlSUlJ069ZNIBCwefNmubm5oqKiAGRnZwsGgyZOnKhixYpGjx4tLy9PTEyMzZs3y87ONnDgQPHx8fLz83322WcAFi9eLBgMGjRokOjoaPn5+ebPnw8AAAAgFArp0aOHmJgYJ06cMH78eDt27BAbGwsWL14sGAwaNGiQ6Oho+fn55s+fD+Dff/8VCoU88cQTAoGAEydOgIiICAAAUFRUJD09XSgU0qdPH9HR0XJycsyaNUtubq7Y2FirV68WFxena9euoqOjFRUVWb16tYyMDAAAALB582bZ2dkGDhwoPj5efn6+zz77DBw6dEhGRoaUlBTdunUTCARs3rxZbm6uqKgoAAAAAAAPPPCAzMxM33zzjf79+4Pt27eDO++8EwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABASQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAuPnmm4VCIXDzzTcDAACAJUuWWLJkCYBQKGTMmDFiYmIAHDp0SDgc1q9fP9HR0Q4dOmTx4sWaN28uJSUFAAAAQDgcdu+99woEAiAqKsrChQsBAAAcOnRIOBzWr18/0dHRDh06ZPHixZo3by4lJQXceeedFixYID8/X0REhKysLHfccYdAIODQoUPC4bB+/fqJjo526NAhixcv1rx5cykpKQAAACAxMVFsbCyA+Ph4f/75p5ycHPHx8QAAAAAgHA4LhUKOHTsmEAioWLGiQCAAAAAAYNCgQaKjowHAoUOHhMNh/fr1Ex0d7dChQxYvXqx58+ZSUlJAOBwWCoUcO3ZMIBBQsWJFgUAAhMNhoVDIsWPHBAIBFStWFAgEAAAAQOvWrcXExICoqCiJiYkuXLgADh06JBwO69evn+joaIcOHbJ48WLNmzeXkpICwuGwe++9VyAQAFFRURYuXAgAAoEAAAAIh8OgR48eoqOjQWxsrGAw6OzZsyAcDrv33nsFAgEQFRVl4cKFACAYDBoxYoSoqCiZmZlCoZCuXbuCJk2agC1btoBu3boJBAKgqKgIREZGAoBBgwaJjo4GALBq1SopKSni4+NBZGSkwYMHg0OHDgmHw/r16yc6OtqhQ4csXrxY8+bNpaSkAAAAgNatW4uJiQFRUVESExNduHABHDp0SDgc1q9fP9HR0Q4dOmTx4sWaN28uJSUFhMNh9957r0AgAKKioixcuBAAAEA4HAY9evQQHR0NYmNjBYNBZ8+eBdnZ2caMGSM6OhoEAgGtWrWSkZEBAAAAVq1aJSUlRXx8PIiMjDR48GCwcuVK0K1bN4FAABQVFYHIyEgAAAAAAJGRkbp16yYjI8Odd94pGAxatWqVuLg40dHRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABKAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAZGSksWPHAgAAAIDExEQXLlyQnZ0tGAxKTEwUExMDAAAqVarko48+An369BEdHQ0AAAAAAAAAAAAAACpVquSjjz4Cffr0ER0dDSA2NhZs2rRJpUqVhMNhbdq0AQCVKlXy0UcfgT59+oiOjgYAAAAAAAAAAJCXlyc6OhoAAIwZM8bq1atlZGSAYDAoNTVVTEwMAACAxMRE0dHRAAAAKlWq5KOPPgJ9+vQRHR0NYMyYMVavXi0jIwMEg0GpqaliYmKMGTPG6tWrZWRkgGAwKDU1VUxMDAAAgMOHDwMAAACoVKmSjz76CPTp00d0dDQAAAAAAKhevToAAMjPzweBQAAAAAAAAAAANG7cWFRUFAiFQjIzMwFUrFgRHD9+HAQCAQCVKlUCAJCYmCg6OhoAAITDYQkJCQAAAKBSpUo++ugj0KdPH9HR0QAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAuB8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG7cuGH16tXq1q0rEAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACA+wEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIDs7W3Z2ttKlSwMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC4HwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgMTFRbGwsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABITEwUGxsLAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACB37tyCwaCYmBgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA9wMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANGnSBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQJMmTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQFRUlB49egAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACA+wEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA7gcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAuB8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAYOHCha5fvy4lJQUAAAAAAAAAAAAAAAAAAAAAAADAjRs3pKenW716NWjfvr2oqCgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwPwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMC+ffv06tULAASDQSVLllSgQAHJyckCgQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjKytK1a1edOnUSExMDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAjh07pmjRogAAAAAAAAAAAAAAAAAAAAAAAABg5cqV0tLSAAAAAAAAAAAAAAAAAAAAAEBWVpauXbvq1KmTmJgYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD3AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQHZ2tuzsbFChQgXR0dEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAQCAAAAAAAAAAAAAAAAAAAAAAAAACAxYsXC4VCWrVqJTIyEgAAAAAAAAAAAAAAAFy8eFHPnj01bdpUTEwMAAAAAAAAAAAAAACAixcv6tmzp6ZNm4qJiQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHA/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQExMjEGDBoGJEyfavHmzHj16OHr0KIiOjgYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAVFWXQoEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADg4sWLsrOzNWzYUGRkJAAAAAAAAAAAAAAAAIBLly7Jzs52+vRpMTExAKKiogwaNAgAAAAAAAAAAADApUuXZGdnO336tJiYGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPcDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMC1a9eULFkSREdHAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAS5cugcjISAAAAADQs2dP9erVExMTAwAAAAAAAODixYsAAAAAAAAAAAAAAAAA4OLFiwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA7gcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgIsXL+rfvz9o1aqVyMhIAAAAAAAAAH379lW+fHklS5Y0Z84c4XBYYmKiJk2aALhx44bx48cLh8NCoZA6deqIjY0FEydOVKRIEbB161YZGRlCoZB27doJBAJg3759pk6dKjMzUzAYlJCQIDk5WSAQANu3b7d8+XIZGRmCwaCEhATJyckCgQCAffv2OXz4sI0bN7p48aIePXrYsGGDqVOn6tGjB4C+ffsqX768kiVLmjNnjnA4LDExUZMmTQDs27dPenq6jIwMkJycrFatWiIjIwEAQN++fZUvX17JkiXNmTNHOByWmJioSZMmoEuXLurVqyc+Ph5Aly5d1KtXT3x8vL59+ypfvrySJUsaNmyYixcvat++vYsXL8rIyHDt2jW1a9cWFRUFbty4YebMmVavXi07O1tycrJatWqJjIwEAPv27TN16lSZmZmCwaCEhATJyckCgYCJEycqUqQI2Lp1q4yMDKFQSLt27QQCAQAAABs2bLBo0SKZmZlCoZCmTZuKiopy8eJFPXv2lJ2dDbp37w7g999/FxkZCQAAMjMz7d692+7du6WlpQkGg6pXr65mzZoAYPv27ZYvXy4jI0MwGJSQkCA5Odn27dsNGDAAwIgRI4wYMUIwGNSjRw8bNmwwdepUPXr0AAD79u0zdepUmZmZgsGghIQEycnJAoGAvn37Kl++vJIlS5ozZ45wOCwxMVGTJk1s2LDBgAEDAIwYMcKIESMEg0E9evQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHA/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABs27ZNZmYm2LZtm6SkJAAAAAAAAAAZGRkgHA7LzMwE4XBYYmKimJgYN27cMHToUBkZGSAzM1OfPn20a9dObGysa9euGTFihLi4OMnJyVJSUnTv3l12drbo6Gjbt2/Xp08fANnZ2dLS0kBKSoqZM2dKS0sDiYmJTp8+LS0tTenSpcXExNi3b59hw4bJzs4GEAwGwY0bN2RnZwOAjIwMEA6HZWZmgnA4LDExUUxMjIULF5owYQIASE9Pd+bMGW3atAEAABkZGSAcDsvMzAThcFhiYqJAICA7OxsAQHZ2ths3boCMjAzR0dF69+4tOzsb9O7dW3Z2NoC9e/fq0aMHmDBhAgBIT0+3efNm3bp1EwgEwPbt2/Xp0wdAdna2tLQ0kJKS4tq1a0aMGCEuLk5ycrKUlBTdu3eXnZ0tOjoaAACsXLnSiBEjAGRmZurdu7du3bq5dOmS7OxsABAKhRQsWBAAAABAWloagOzsbBMmTFCoUCGxsbFg5syZ0tLSQGJiotOnT0tLS1O6dGmRkZFCoZDMzEwAcXFxAG7cuCE7OxsAbN++XZ8+fQBkZ2dLS0sDKSkpMjIyQDgclpmZCcLhsMTERJGRkUKhkMzMTABxcXEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADuBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgIyMDMFgULdu3eTLl0/Hjh2dPn1aTEyMDRs2yMjI0LJlS/Hx8S5evGjMmDEA9u7dKxQKadasmUAgICsrC+TOnRuMHTtWMBjUunVr0dHRLl68qH///uDo0aPS0tIkJyerW7euQCBgw4YNMjMzRUVFgWHDhoGWLVsqVqyYqKgoAAAAABkZGYLBoG7dusmXL5+OHTs6ffq0qKgoEyZMEBcXJzk5WUxMjBs3bhg6dKg8efIAAACAjIwMwWBQt27d5MuXT8eOHZ0+fdqTTz4JChYsCODo0aMAANLS0gSDQZ06dRIOh4XDYXXr1lW1alXr1683YcIEFy9eBKFQSJ06dcTGxoINGzYYMGCA7du3i4+PB2PHjhUMBrVu3Vp0dLSLFy/q378/gL179wqFQpo1ayYQCMjKygK5c+cGAAA3btwwYsQIoVBIw4YNRUdH2759uz59+sjMzBQbG2vQoEFWrlxpxIgRunXrJjo6GgAAAACEQiH16tUTExMjKytL165d7dy5U2xsrKNHj0pLS5OcnKxu3boCgYANGzbIzMwUFRUlMjJS586dQfPmzTVu3FhSUhIAAAAYO3asYDCodevWoqOjXbx4Uf/+/QFARkaGYDCoW7du8uXLp2PHjk6fPi0pKUnnzp1B8+bNNW7cWFJSEgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgPsBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBcuXJCoRAoV64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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAC4HwAAAAAAAACqVavWdOnSpSIiIpoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMCNGzdkZ2eLjo4GR48etXjxYsFgUHR0NAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAABQNmtz0x1RFYiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAA4H4AAAAAAAAAgGrVqjVdunSpiIiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGzZsMGLECAAA9evXBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAymZtbrojqgIREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAwP0AAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASpYsKS4uTkZGBgiFQhITEyUlJQEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAFA2a3PTHVEViIhoAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAOB+AAAAAAAAAACAatWqNV26dKmIiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFFRUdq0aQMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASExPFxsYCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAGWzNjfdEVWBiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5WxBQAAAAAA4H4AAAAAAAAAAACoVq1a06VLl4qIiGgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANCkSRMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAKBs1uamO6IqEBHRBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAwP0AAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAAAAAgPsBAAAAAAAAAAAAoFq1ak2XLl0qIiKiCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAACAslmbm+6IqkBERBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAAAAAAPcDAAAAAAAAAAAAAFSrVq3p0qVLRURENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAUDZrc9MdURWIiGgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAAAAAO4HAAAAAAAAAAAAAIBq1ao1Xbp0qYiIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAMpmbW66I6oCERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAAAAAANwPAAAAAAAAAAAAAABQrVq1pkuXLhUREdEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAEDZrM1Nd0RVICKiCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAAAAAALgfAAAAAAAAAAAAAAAAqlWr1nTp0qUiIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAom7W56Y6oCkRENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6JauayMLQAAAAAAAAAAAHA/AAAAAAAAAAAAAAAAQLVq1ZouXbpUREREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAZbM2N90RVYGIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5WxBQAAAAAAAAAAAOB+AAAAAAAAAAAAAAAAAKhWrVrTpUuXioiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAAAAAAAAAAAAoGzW5qY7oioQEdEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAAAAAAMD9AAAAAAAAAAAAAAAAAADVqlVrunTpUhEREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAJTN2tx0R1QFIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAACgWrVqTZcuXSoiIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICyWZub7oiqQEREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAAAAAAAAAAAD3AwAAAAAAAAAAAAAAAAAAVKtWrenSpUtFREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQNmtz0x1RFYiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAAAAAAAAAADuBwAAAAAAAAAAAAAAAAAAgGrVqjVdunSpiIiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAymZtbrojqgIREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAAAAAAAAAAADcDwAAAAAAAAAAAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNmszU13RFUgIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAAAAAAAAAAAC4HwAAAAAAAAAAAAAAAAAAAACqVavWdOnSpSIiIpoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACibtbnpjqgKREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6JauayMLQAAAAAAAAAAAAAAAABwPwAAAAAAAAAAAAAAAAAAAABAtWrVmi5dulREREQTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABlszY33RFVgYiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5WxBQAAAAAAAAAAAAAAAADgfgAAAAAAAAAAAAAAAAAAAAAAqFatWtOlS5eKiIhoAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgbNbmpjuiKhAR0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAAAAAAAAAAADA/QAAAAAAAAAAAAAAAAAAAAAAANWqVWu6dOlSERERTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAlM3a3HRHVAUiIpoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAAAAAAAAAAAAAAACA+wEAAAAAAAAAAAAAAAAAAAAAAKBatWpNly5dKiIiogkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgLJZm5vuiKpAREQTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAAAAAAAAAAAAAAAAA9wMAAAAAAAAAAAAAAAAAAAAAAABUq1at6dKlS0VERDQBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFA2a3PTHVEViIhoAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAAAAAAAAAAAAAAAA7gcAAAAAAAAAAAAAAAAAAAAAAACAatWqNV26dKmIiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADKZm1uuiOqAhERTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAAAAAAAAAAAAAAAAA3A8AAAAAAAAAAAAAAAAAAAAAAAAAUK1ataZLly4VERHRBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABA2azNTXdEVSAiogkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAAAAAAAAAAAAAAAAAuB8AAAAAAAAAAAAAAAAAAAAAAAAAAKpVq9Z06dKlIiIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKJu1uemOqApERDQBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6JauayMLQAAAAAAAAAAAAAAAAAAAAAAcD8AAAAAAAAAAAAAAAAAAAAAAAAAAEC1atWaLl26VERERBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGWzNjfdEVWBiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5WxBQAAAAAAAAAAAAAAAAAAAAAA4H4AAAAAAAAAAAAAAAAAAAAAAAAAAACoVq1a06VLl4qIiGgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBs1uamO6IqEBHRBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAAAAAAAAAAAAAAAAAwP0AAAAAAAAAAAAAAAAAAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAAAAAAAAAAAAAAAAAAAAAgPsBAAAAAAAAAAAAAAAAAAAAAAAAAAAAoFq1ak2XLl0qIiKiCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAslmbm+6IqkBERBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAAAAAAAAAAAAAAAAAAAAAAPcDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFSrVq3p0qVLRURENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUDZrc9MdURWIiGgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAAAAAAAAAAAAAAAAAAAAAO4HAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBq1ao1Xbp0qYiIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMpmbW66I6oCERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAAAAAAAAAAAAAAAAAAAAAANwPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQrVq1pkuXLhUREdEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEDZrM1Nd0RVICKiCQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAAAAAAAAAAAAAAAAAAAAAALgfAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAqlWr1nTp0qUiIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAom7W56Y6oCkRENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6JauayMLQAAAAAAAAAAAAAAAAAAAAAAAAAAAHA/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQLVq1ZouXbpUREREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAZbM2N90RVYGIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5WxBQAAAAAAAAAAAAAAAAAAAAAAAAAAAOB+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKhWrVrTpUuXioiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoGzW5qY7oioQEdEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAMD9AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADVqlVrunTpUhEREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJTN2tx0R1QFIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgWrVqTZcuXSoiIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICyWZub7oiqQEREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD3AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVKtWrenSpUtFREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQNmtz0x1RFYiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADuBwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgGrVqjVdunSpiIiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAymZtbrojqgIREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5IioVi4rYwsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADcDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNmszU13RFUgIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC4HwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACqVavWdOnSpSIiIpoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACibtbnpjqgKREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6JauayMLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwPwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAtWrVmi5dulREREQTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABlszY33RFVgYiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdyRFQrl5Wx5fbt29Xuv//+RnghJyenUERExOM5OTnHsD0iImLehQsXRjz66KMXAAAAAAAAAAAAAAAAAAAAAAAAAAAA7gcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgGrVqjVdunSpiIiIJgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5F3LlylWtSpUqWwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAymZtbrojqgIREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHJyci7kiKhW6tjaiJwHHliNFwAiIiJAREREURTFq/nz5/8+Jyfnp6VLl/Z5+eWX7wAAAAAAAAAAAAAAAAAAAAAAAAAA3A8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgJyfnQq5cuapVqVJlCwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNmszU13RFUgIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQE5OzoUcEdWeObE+JleuXKMQAAAAAEB+/P7SSy/VzMrKejcqKuoKAAAAAAAAAAAAAAAAAAAAAAAAANwPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcnJyLuTKlatalSpVtgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5FzIEVGt9PF1hXPlyjUO9wNAzt1r7l0/CiLuz+e+QGEAEBER8erjjz8+acmSJSkvv/zyHQAAAAAAAAAAAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKpVq9Z06dKlIiIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMiVK1e1KlWqbAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKJu1uemOqApERDQBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQI6Lak5nLjufKlWsh7ge4d+uM28fHu3dxK+4BiHgw6P5Cdd3/WAKAiIiIV6tVq9YOfwAAAAAAAAAAAAAAAAAAAAAAAADcDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADVqlVrunTpUhEREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcnJyLuTKlatalSpVtgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJTN2tx0R1QFIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5FzIEVGtXFbGlpy8ef/C4wD3bpx0M/M37lwCAJBzK9vtI0Pcu37Yg080AIBvzp8/P+TRRx+9AAAAAAAAAAAAAAAAAAAAAAAAAPcDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFSrVq3p0qVLRURENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjJybmQK1eualWqVNkCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUDZrc9MdURWIiGgCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIUdEtXJZGVsOHjwYyMnJ+TgiIgLk3Lvt1oHe3LkEAAAA7mYvdCdPCfc/Wgkgf/78+RujDwAAAAAAAAAAAAAAAAAAAAAAANwPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADVqlVrunTpUhEREU0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHJyci7kypWrWpUqVbYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJTN2tx0R1QFIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORcyBFRrVxWxhYoWrRotYiIiEcA7pxdIefWWQAAAABw51Sa+x+tBCAnJ+dV9AEAAAAAAAAAAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAqlWr1nTp0qUiIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5FzIlStXtSpVqmwBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAom7W56Y6oCkRENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIycm5kCOiWrmsjC0A999/f1kAuHd5OwAAAACAnJun3Ltx0n2BwgAVAAAAAAAAAAAAAAAAAAAAAAAAAO4HAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAatWqNV26dKmIiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5F3LlylWtSpUqWwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADKZm1uuiOqAhERTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHJyci7kiKhWLitjCwDgEQDIuXEcAAAAAADk3LmEwiAiIqIQAAAAAAAAAAAAAAAAAAAAAAAAwP0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXMgRUa1cVsYWAAAAALny4CwAAAAAAADAHQAAAAAAAAAAAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBatWpNly5dKiIiogkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABATk7OhVy5clWrUqXKFgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgLJZm5vuiKpAREQTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgJycnAs5IqqVy8rYAgAAd+/ePZ4rVy4A9z30pLvXjwIAAAAA7nPfQ9EAsBsAAAAAAAAAAAAAAAAAAAAAAADgfgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAatWqNV26dKmIiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5F3LlylWtSpUqWwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADKZm1uuiOqAhERTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHJyci7kiKhWLitjCwAAwJ07d5bmypULwP2PV3P33EoAAAAAcF9keRG58gDAGgAAAAAAAAAAAAAAAAAAAAAAAID7AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgWrVqTZcuXSoiIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FXLlyVatSpcoWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICyWZub7oiqQEREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycCzkiqpXLytgCAAAAgUAgMycnZwPi4b48T7nvkVLuXdkDAAAA4IFCdQHAnTt3JgAAAAAAAAAAAAAAAAAAAAAAAADcDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUK1ataZLly4VERHRBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJ+dCrly5qlWpUmULAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABA2azNTXdEVSAiogkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABATk7OhRwR1cplZWwBAAAAgLt37/bMlSvXJID7C9V1K/M3AAAAcN8jz7jvoWIAsPmBBx5YCAAAAAAAAAAAAAAAAAAAAAAAAHA/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVKtWrenSpUtFREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMnJuZArV65qVapU2QIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQNmtz0x1RFYiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCTk3MhR0S1clkZWwAAAAAA7r///sk5OTmbUQFyPVJKRKCInBsnAAAA3B+sCQDu3r37MwAAAAAAAAAAAAAAAAAAAAAAAADcDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KuXLmqValSZQsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNmszU13RFUgIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBOTs6FHBHVymVlbAEAAAAAALhz5863999//0yAXPkruXNqOgAAiHggv1yRzwLIyck5tGLFiumQlZX1SDAYbIcGKJ2Tk3MGS+/cufPHgw8+uAEAAAAAAAAAAAAAAAAAAOB+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKhWrVrTpUuXioiIaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQk5NzIVeuXNWqVKmyBQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoGzW5qY7oioQEdEEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcn50KOiGrlsjK2AAAAAAAAwLFjxxY+9dRTd3A/5Ios786p6QAA4L5HSgOAiIiIwS+//PKdK1euFMqTJ88SlAaIiIgohAYPPPDAOzk5OR0jIiL6AAAAAAAAAAAAAAAAAADA/QAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAcnJyLuTKlatalSpVtgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5FzIEVGtXFbGFgAAAAAAAIDixYvfyMnJ2Y1YiMhdGAAAQESgCAC4ffv2bHj44YenoTQAAOB+/H779u2NDzzwwEoAAAAAAAAAAAAAAAAAgPsBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBatWpNly5dKiIiogkAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQE5OzoVcuXJVq1KlyhYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgLJZm5vuiKpAREQTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcnJwLOSKqlcvK2AIAAAAAAAAAkJOTszsiIiIWIu57gFyPcPcKAICIBx8HALdu3Tp1+/btmngBIOfeHfdOZYjIW9R9eQsD3J8rV66ueA0AAAAAAAAAAAAAAAAA4H4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBq1ao1Xbp0qYiIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5F3LlylWtSpUqWwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMpmbW66I6oCERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHJyci7kiKhWLitjCwAAwKVLlx7PmzdvY8Tizt27d5etWLFi/Msvv3wHACAiIuIYADxY7EN3L24GAHI9JFe+8gBw4ZFHHjmVk5PTDgBuzW3r7v55PJBHoNF89+UrCpAEAAAAAAAAAAAAAAAAAAD3AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQLVq1ZouXbpUREREEwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgJycnAu5cuWqVqVKlS0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAZbM2N90RVYGIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA5OTkXckRUK5eVsQUAAOD27dtJuXLlmobHAXLlyvVxtWrV2p0/fz750UcfvQAAd+/eDefKlas9wLlb0VZlHAUABQsW9MITAQCYDCgEAPeytgG3r7l3bI37yrwDIiIiHgEAAAAAAAAAAAAAAAAAgPsBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAqlWr1nTp0qUiIiKaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORcyJUrV7UqVapsAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAom7W56Y6oCkRENAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMnJuZAjolq5rIwtAAAAt2/fTsqVK9fciIiIRwAAEB8ZGdkP7wHAihUrpr/00ku7IyIiSsOjjz6qWLFiTp8+De677z4lS5YEAHfu3JkAAAAAAAAAAAAAAAAAAAAAAAAAAAD3AwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEC1atWaLl26VERERBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJycC7ly5apWpUqVLQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGWzNjfdEVWBiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQkfdhD78YL3dMcQ8UjnLfw3ncu3TZ7ROn3di937W1GXKu3wAADzxZ1EMVy4m4P5c7WWddXbWBW7flLhPj4cR4Dz4V7b6H87iZecjl9OVu7TkAAHIVCnr4xXi5i0d7ILoIuHPytJtHT7i2drPb+w8DAAAAiMj7sIeeLSPwTMj9j+V3f+GC5Mp16+Hnyk2876kn4m7cuXM1EAhkAgDcvn07KVeuXHMjIiIeAQAAiIiIaHD79u0xd+7c2f7QQw8dgpdffvlOTk7OQpSG+++/X9myZV25csXVq1eVKlXKY489BgA3zp8/vwYAAAAAAODOnTtNcOPGjRtLH3nkkVMAAAAAN2/ejM2VK1c85OTkHFq5cuXKl19++Q4AAAAAANwPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFCtWrWmS5cuFRER0QQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAnJ+dCrly5qlWpUmULAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQNmszU13RFUgIqIJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwCO1XvJY43c8UrUy998PAAAg58ZNl9NXODtwjBu7Mz3R6xv53qoFAO5knXEn66xAbCkAAAW/+cy5IeOd/PZ3eZOrCH7W1EMVywMAAICbuzOd6TvShclzRNy7ByAi78MebVBXvtdrylM5DgAAHkQLtMiVK5ecnJwNd+/e/e/+++8fDnfu3HnzvvvuGxUREfEIwOmLN7zdO+yTV2K8l1AMwP333z/z/vvvl5OTs/nOnTttH3jggZV37tyZf//993+CCHjwwQdVqVIFAADk5OQczJcvXyFkAgAAAABArly5hsHDDz98Jycnp//SpUs7vPzyy3cAAK5cuVLo4YcfHoWaAFCtWrXM27dvN33ggQdWAgAAAADcDwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA1apVa7p06VIRERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABycnIu5MqVq1qVKlW2AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACUzdrcdEdUBSIimgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwANPP+mJP7vJUzkOAAAAAEQEcsuXUlO+lJruXb7ivryPAAC4P+px90c9DgAA4LGPGoh84xW5Hn8MAAAAAOQuHfLE390VaNHI8c+6ublznwKt3hf11SciArkBAAAAACA+V65cw3JyclpiFPrgfoA9Jy9r8M9qe09dtnRnlvcSigEAQIX7779/SU5OzmA0QQQAAAAAREREPJM7d+5tOTk5PwEAAAAAAADux6cvvfRSIbwLAOfPn8+fJ0+eJSgNAIDQ/fffv+T27dsvP/DAAysBAAAA4H4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBq1ao1Xbp0qYiIiCYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5F3LlylWtSpUqWwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMpmbW66I6oCERFNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOCRWi8p2vdn9z2cBwAAAAAAANyX9xEAAAAAAAAAuR5/DAAAAAAAQCC2lOIzh7k8b6nIt2sDAAAAAAAAwAt4AQD2nLzs1Z7LZF26CQAAAAD3oxUAAAAAAAAC+AnXAQAAAAAAACIiIt65c+fO+/fff/9ogPz583+H0gAAALj//vvvH7ZkyZJnXn755TsAAAAA9wMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEC1atWaLl26VERERBMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICcnJwLuXLlqlalSpUtAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGWzNjfdEVWBiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA8EitlxQb8hv33w8A9py8bPzqw9btP+9A1hVw/30RShbO68WYxzVIiPbEY3kAwJ2793w7ebu9Jy/rnFJapacLgC1HLugzb6/1+8+5cy/HF7VL+fjlEgAAthy5YPzqI1bsznb2yi0QmecBlZ5+TIMXinmx5OMA7ns4j8i3awMAWLX3jCU7s2w6dN7+rCtu3r4HIvM8oNLTj2nwQjEvlnwcAADsOXnZqz2Xybp0E8DWIxf8PGMnAGjwQjFPF3wEAMCFa7eMX31U+rZT9p687M69HFDmiXxeLhPl/aQn5c/zIAA8BAAAAAB3Dyxye8tQuUq84oFnGwPIlSvXJxgN58+fz49WADl3brq9tJucm5c8kNDRfY89DRBKSkpKwlIAAACA+wEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACqVavWdOnSpSIiIpoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOTk5FzIlStXtSpVqmwBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACibtbnpjqgKREQ0AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAB55+UtG+P3P//QBOX7zhy7FbTFl/DAAAHMi+at7WU36YtkOTKk/pUb+8RwL3g7lbTvl7/j5w/Px1a36o6YepO/SatRsA/Dxjp49fLgHgyo072gzbaMr6YwAAnGXb0YuGLD2o2jNBAz963hOPPQQAYOamE7pM2OpA9lUAAOAs245eNGTpQW9WfMKAj+I9ErgfwJ6Tl73ac5msSzcBwNajF209ehEArNt/zozPkwDAtPXHtBuV4eyVWwAAjpy9Zt7WU3rM2OWPRhW892IxAAAAAABwc0EHbl127+gquQrFua9geYAXbt68GZs7d+7t+fPn/wgBgDtbR7izcyKQc1fu1wcCiIiIeAoAAAAA7gcAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAatWqNV26dKmIiIgmAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADk5ORdy5cpVrUqVKlsAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADKZm1uuiOqAhERTQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAID/CcD//57r////P97dxwAAAAAAAMAyAERCAGwhlCSFSlEqighCBAlIAEHAAAHAAgDAgAGwbR0AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyDVumCSpUgI4ffOxJj9uE/PoJQAAAID4hEQzt10Ul5BoSmQlEPvsNYDYZ68NWnDUlE3nAABUzJ8BwJMXcd4at9O/5+4BgKxpQ4UkCbjx8AWAqJN31B6xWdSXdeXLnAoADFtywoU7TwEAAADAioPX3X380ppBYUKCScDkDWfFPHoJAAAAAApmTQUAZmy94KO5hwFAaEgS2dIld+/JS09fxoPY56/1nLHfvScv9WtUBAAAAABAIDStxFePwevj84VmKwsgJCSkP95LTEzsGQgEAMQdXwBAaFoAAAAAAAAQAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQHh4eGRUVJRAIRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQmJj4MBoPhYWFhRwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABKxRyJjM5ankAgAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACB14zpSVqsA4HbsC01+3Cbm0UsAZfKk07FGXjWKZJItXXJPXsQ5dOmBJfuu2XTiNghJEgAAANcfPDdl0zlQMEsqXWrnUyF/BulTJlUxfwYAA+cd8e+5ewB61CngoyZFFcqWGtx9/NK0zeeNXXvay7gEMY9eaj9pj53D6gkJJgEQViyzM7ceK5EzjYZlsqtaMKNcGVPIli65y3efOXzpgRlbL7hw5ynYeeauGVEX9alfCIxsX1bbannA2LWnbTpxGzQonc0nzYoBCEkSULVQRgDHrjw0cP4RAAWzpjKyXRlNy+UQEkwiLj7B1v9ifLXkhONXY8GQRceUzZveG8WzAAAAAIBg8Vbi9k8G8adXSAwbKhCaFiRJkqRnfHz8i0AgUBwg/vI2ibGXAYSUag8AEhISjgAAAABACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAhIeHR0ZFRQkEAhEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAImJiQ+DwWB4WFjYUQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAUjFHIqOzlicQiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAICM3dsCgI/nHRHz6CWAYW+XNKRFCQAApXKn07V2ftHXYh27EqtFxZwAACA+IREMfrO4oW+VEBJMAgDg6JWH5u++DODHDmX1a1QEAGROE2poq5Lqlsyqyejt4hMSHb8aa+GeK7rWzg9gYveKJnavCAAA8mVO5Y3iWfQIL6jJj9scvvwQTN54Vp/6hUDq5CHeKJ4FzN91GUD2dMm9UTwLAACAL/48Lj4hEZTJk86mz8OlTh4CICSYRMMy2YUVz6L9xD02Rd8Ggxce9e83DQAAAABASJnO4g78SmI88a/EnVouabnuAIEkSZJ8CABxR/8AEMhYVDBnFQA4kSxZsiMAAAAAEAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAeHh4ZFRUlEAhEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQmJj4MBoPhYWFhRwEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAErFHImMzlqeQCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACKZJL/UY1AKdvPrby4HUAg98sbkiLEgAAAKBU7nRK5U4HAAAARrQp5ZPmxQEAAMzbeRlAWLHM+jUqAgAAoGbRzIa8WdzIVSfBzKiLutbODwAAAAAAUicPMbx1Ka1+3gUuxDx1O/aFbOmSAwAAAAAAgPO3n9h6MgbAtB6VpU4eAgAAkicNmt6zshKD1nkZl+D41Vi7z9xVs2hmAAAAAElS5xAsUE/8hY0g7vgCSct1BwAACU9uir+8DUBI2W4AID4+fjIAAAAAQAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACEh4dHRkVFCQQCEQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAImJiQ+DwWB4WFjYUQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBSMUcio7OWJxCIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABIUakMISEAlh+4BiBT6mSGtCgOAAAAAAAAACBnhhQ+aV4cAAAArD92E0CP8IIAAAAAutTOZ+Sqk2D/hfsePnslfcpkAAAAAACgSqGMAOD0zceypUsOAAAAAAAAtv4XA6BKwYzK5U0PAAAAsqVLrkXFnJbsuwbWHb2pZtHMAAAAACCkTGfxFzaCxPtnxN88LJijAgCAuKN/kBgPJEsjpHgrAHh4//79eQAAAAAAIQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADh4eGRUVFRAoFABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAYmLiw2AwGB4WFnYUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBUzJHI6KzlCQQiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACC0SAEAsP/8fQBNyuWQPGkQAAAAAAAAAEBIkgAAAAB48iLOhZinAF68jrf91B0AAAAAqUKDnr6MB/9df6RmkcwAAB4+e+XYlVhX7j4DAAAAAAAAAAAAAADHrj4EkC5lUttP3QEAAAAQmjQI4MytxwAAAAAAgvnqCKTJJfHxdRB3Yr5gjgoAIDEhTvzJJQBCircSSJYKAOZlzZr1CQAAAABACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACEh4dHRkVFCQQCEQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACJiYkPg8FgeFhY2FEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIBSMUcio7OWJxCIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAjJmB4AXH/wHEDJXGkBAAAAAAAAAAAAAADAvScvAUCfWQcBAAAAAADExScCgO2n7hi79rSt/8WIT0gEAAAAAAAAAAAAAABwO/YFgE0nbtt04jYAAAAAAIh99hoAAAAAAISU6+b1zlEg/sxqiW8MEwhNCyD+3DqJz+4CCCnbHQC8evVqMgAAAAAAhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAhIeHR0ZFRQkEAhEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACJiYkPg8FgeFhY2FEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAUjFHIqOzlicQiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgNhnrwGkT5kUAAAAAAAAAAAAAAAAAAAAAAAAAAAEkwRkS5ccwFd/HTdu3RkAAAAAAAAAAAAAAAAAEPvsNQAAAAAAAAAomDU1AAAAAAAIKdHW6z1jiX9F/Ctxp5ZLWq47gLijfwBIkqeWJBkLAcCm0NDQUwAAAAAAEAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOHh4ZFRUVECgUAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBiYuLDYDAYHhYWdhQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoFTMkcjorOUJBCIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAS4+IBQL7MKV259wycj3kKAAAAAAAAAAAAAAAAAACGvV1SrgwpAQAAAACUzJVWsRxpwPL914xbdwZAwSypdKiRV4X8GaROHgIAoOno7QAAAAAAAAAAIFeGFABqFM4k4o0CAAAAAABCkybRomJOAAAAAAAQSJFRsHAz8adXgLjjCyQt1x0k3Dst4eYBACGlOwGA+Pj4aQAAAAAAACEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADh4eGRUVFRAoFABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBiYuLDYDAYHhYWdhQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBUzJHI6KzlCQQiAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADg5aWrAKBg1tR2nL4L9py9CwAAAAAAAAAAAAAAAPJlTiU0JImXcQkgb+ZUOtbICwAAAAAAACb8cxZAk7LZ/flhDSHBJAAAAAAAAAAAAAAAAHJmTAng4fPXutTOBwAAAAAAAAAAAAAAIKRsN/GnV4DE+2fEX/tXMHd1ccfnAwikyi5YqBGAxMTEazt27FgBAAAAAAAQAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOHh4ZFRUVECgUAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAYmLiw2AwGB4WFnYUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoFTMkcjorOUJBCIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAF6cOA0AmpbLYc6OS2DP2Xv2nb+vaqGMAAAAAAAAAAAAAAAAqhbKaMfpu2DO9os61sgLAAAAAAAADl16AOCDRoWFBJMAAAAAAAAAAAAAAACAmkUyGQc4ef2RQxcfqFggAwAAAAAAAAAAAAAACOaoIJC5hMS7J0Hc8fmSZC0j7uRSACFlOgkkCQEQCAR+rVu3bhwAAAAAAEAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQHh4eGRUVJRAIBABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCYmPgwGAyGh4WFHQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBVzJDI6a3kCgQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAeH3+srgbt4XkzAYalskma9pQMY9egh6/7bPp83DZ0iUHAAAAAAAAAAAAAACtKuey4/RdsOP0XePXnzGgSVEAAAAAAADxCYkAXr5OAAAAAIMWHAUAAAAAAAAAAFC3ZFbpUiQV+/w1eP/3gzZ9Hi518hAAAAAAAAAAAAAAABBSurPXUV+C+AsbxGUqyutnQCAopFQHAIh7+vTpTAAAAAAAAAgBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgPDw8MioqCiBQCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIDEx8WEwGAwPCws7CgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUCrmSGR01vIEAhEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA8GD+clkG9QHJkwaN61xel6l7wYWYp2qP2GJEm9LeqZZbSDAJANgSHWPCP2ccuvjAtB6VNSufAwAAAAAAAES8UcDYtWfcePAcDF183PX7z33avJhs6ZIDANh95q5pW847euWh0R3LaVQmO8ibKaUr956B71f8J6xYFqmThwCAo1ceGrzwqJ2n7wIAAAAAgPO3nwAAAEieNOijJkWMWP4fOH41Vu0Rm43rXEG9UlkBANx9/NKiPVfM23VZxfwZTOxWQUgwCQAAAAAAgJDirbzeNZLXz4h/5fXeCQCChRoJpMoCIDExcUnq1KlvAQAAAAAAQAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQHh4eGRUVJRAIBABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQmJj4MBgMhoeFhR0FAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBVzJDI6a3kCgQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACA+3OWyPR+N0lSpQRvV8nt/bP3TNl0Dtx48FzPGft9Mv+IMnnTyZ85lbuPXzp06YGYRy8BzNx2QbPyOQAAAAAAAEDypEGTIypqO2G3+IREMGXTOdO2nFc2Tzr5MqeSOnmIy3efir72yP2nrwBM3nhOozLZQduquY1bdwYcvvxQmc/Wa1ouh1wZU3jyIs7+8/ftOXcPAAAAAECR7KkB7Dl3z1vjdqpaKKPYZ69FX4tVNm96o9qXBZ80K2bD8dv+PXcPnL31RIuxO2RNG6ps3vSyp0vu7uOXLt995uSNRwCOX401pEVx+TKnAgAAAAAAEEiWSkiJNuKOzQUS4wGElO0GAOLj4ycDAAAAAAAAhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQHh4eGRUVJRAIBABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCYmPgwGAyGh4WFHQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKBVzJDI6a3kCgQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACIv3vfnTG/yvb1QABjOpWTPV2ob5b/Jz4hEcQ+f23n6bt2nr4LACBVaFCPOgUBAAAAAAAAQKMy2c1/v7reMw+Iff4axCckOnz5ocOXHwIAgFShQT3CCwIY0qKEdcduOXn9EYh59NKcHZcAAKQKDZrQtaKeM/YDAACArrXzG7f2jNjnr8GmE7dtOnEbQNTJOz5pVkzmNKFCgkmsHFhb+0m7RZ28AyDm0UubTtwGAADQpGx2uTKkAAAAAAAAABBSprO4Y3MBQCBjUcHc1QHgRNKkSXcCAAAAAAAAhAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAISHh0dGRUUJBAIRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAImJiQ+DwWB4WFjYUQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgFIxRyKjs5YnEIgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAe7/Ok6pmZakbvQHgk+bFvVkxp7Frz1hx4JqnL+MBAGRKnUz76nl92ryYbOmSA6hRJJNUoUFPX8ZrWDobAAAAAIAWFXOqWqiRH1afsnTfVfeevAIAAFnThupQI68BTYrKli45gNTJQ0QNrWvwwqPm7bosPiERAKQKDWpbNY8hLYrLlzmVRXuu2BR9W84MKVTMnwEAQLZ0ya0YWEuP6ftduPMUAASTBESE5Zc5TSiA1MlDrBn0hrk7L5m2+bzDlx8CAIBgkoC6JbPqGV5Ai4q5AAAkyV1d/MmlJEsjmLcWAAAASJKpmCQ5Kku4eQBASJlOACA+Pn4yAAAAAAAAAIQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAeHh4ZFRUlEAgEAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAJCYmPgwGAyGh4WFHQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAoFXMkMjpreQKBCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALja+zP5Fk2WsloFAMVypDW9R2UTu1UQfe2RMzcfi09IFJo0iaI50iiVK62QYBIAAIWypfbf6KYu332mUoEMAAAAAAAgW7rkfu5S3piOZUVff+TC7SeevowHGVMnky9zSqVypwMAAJA6eYgpkZWMbF/G7jP33H/ySjBJQKFsqZTNm17ypEEASwfUdOjSAyVzpZM6eQgAAKhaKJPjPzZx9MpD/117JD4hUbqUSdUokknmNKEAAKBr7fy61s7v7uOXDl16ICb2JQgmCSiULZWSudJJnTwEAABAaMOfxJftJkna3AIpMgIAAABIkqWkhJsHgKQphZRoCwAP79+/Pw8AAAAAAAAAQgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADCw8Mjo6KiBAKBCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAxMTEh8FgMDwsLOwoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAECpmCOR0VnLEwhEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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Figure 2 SWOT analysis of Mr dentist

### Project sponsor(s) and stakeholder(s)

|  |  |  |  |
| --- | --- | --- | --- |
| Stakeholders | Interest | Assessment of Impact | Potential Strategies |
| Dr. Smith  (Owner) | * Marketing and Sales * Booking appointment * Promising customers * Human resources (rostering dentists, dental assistant, and payroll) * Manages and tracks social media accounts for marketing | High | Frequent update and engage in the important decision. |
| Dr. Jones  (Owner) | * Look after purchasing and operations * Actively update for any new research on dental practices and dental clinic management * Attend various seminar, workshop and conferences | High | Frequent update and engage in the important decision. |
| Patients | * Reviews and give feedback about service | Low |  |
| Staff | * Manage clinic’s work * Take care of patients | Low |  |
| Business Analysist  (External stakeholder) | * Periodic business performance report, and other report. | High |  |

### Business needs

Mr. Dentist clinic owners Dr. Smith and Dr. Jones want transparency in their business where they can access any information of business on their fingertips. They want to do digitalize their rapidly growing business across different franchisees towns of New Zealand.

### Business requirements

Mr. Dentist proposed system goal is totally depend on technology which become a truly digitalise clinic. It allows flexibility in their business.

The outline of new system is as following:

* DentalDispensary allows automatic recalls to patients using multimedia messages.
* It includes administrative works such as patient’s personal details, medical history, oral health survey, treatment estimate forms, and billing and insurance details are on cloud.
* Advertise their clinic’s various promotions and manage social media accounts.
* Patient support service where they consult patients on patient’s time and convenience.
* Ability to add and draw detail treatment plans where patient knows estimated cost, duration, and structure of each treatment plans.
* Inventory control where DentalDispensary use consumable items and equipment as well as sales different products to patients. The owners of clinic therefore like to have smoothly updated and mapped to each treatment.
* Business performance review where they can generate periodic income, business performance report of every month, product sales, failure to attendant and waiting time of patient.

### Business value

Business value helps to calculate the profits from the market. In the case of Mr dentist clinic, is dependent on the outcome of the financial returns leading to the high business value. Their small running clinic wants to be online, expand their business, becoming fully digital.

* Important Assumptions
* Technology is a primary source of success for Mr Dentist clinic. Mr Dentist major milestone is receiving a specific amount of funding which can be used for following purposes:
  + Purchase updated equipment
  + Expand business in different areas of city
  + Expand business operation
  + Purchase new vehicle
  + Invest in several medical related product for selling purpose

### Special issues or constraints

* **Issues**
* High cost of new dental software
* Require technical staff to maintain system
* **General Constraints**
* Any update regarding the patient’s information from the hospital are to be recorded to have updated and correct values.
* **Design Constraints**
  + This will allow doctors or staff to quickly access patient records when appropriate.
  + They can also measure the patient's expense.
  + This system is also capable of adding, modifying and deleting the record whenever necessary. This project will help smooth Mr dentist's activities operation.

### System modules

Following are system modules allows more flexibility and make Mr. Dentist system paperless.

* Automated recalls service
* Admin management
* Social media portal
* Patient service and estimate treatment cost
* Inventory management
* Business Analysis

## Data requirements

### Functional Requirements

* Automated recalls service
  + Auto recall communication via sending multimedia message
  + Communication with patient/user and maintain relations with them
* Admin management
  + allowing patients to electronically complete and sign patient details, medical history, oral health survey and Treatment Estimate forms onsite at the practice, through a mobile device such as an iPad.
  + Require a seamless integration of various file types into a single database.
  + Owner can access all information of all clinic’s anywhere.
  + Allows patients to pay their bills online
  + Allows patients to do ACC claims online
* Social media portal
  + Manage their social media accounts
  + Detailed analytics of the impact of their various promotions and use social media channels for their business
* Patient service and estimate treatment cost
  + Provide natural images and treatments plan that are easily comprehensive for patients
  + The ability to draw and add annotations to specific areas of treatment, indicating the estimate cost, duration and structure of each treatment plan.
  + They are available for patients to view securely at patient’s time and convenience.
* Inventory management
  + Manage their consumable equipment and items in treatments.
  + Sale various products to patients.
  + Owner have access to manage and update inventory for each treatment and/or patient.
* Business Analytics
  + Overview of their business performance every month.
  + Summary of the periodic income, product sales, failure to attends, and waiting time among others.

### Non - functional Requirements

* Performance
  + Response Time: the system shall give response in 1 second after checking the patient information.
  + Capacity: The system must support more than 1000 people at a time.
  + User – interface: the user interface screen shall response within 5 seconds.
* Security
  + Patient Identification: The system requires the patient to use their unique case number or Id to identify them.
  + Logon ID: Any user who use the system have their username and password.
  + Modification: Any update (include insert, delete, alter) in database shall be synchronized and done by administration staff only.
* Availability
* The system should be available at all time.
* Reusability
  + Simple and independent coding of modules that can be reused elsewhere.
* Software quality
  + Good quality of the software, which is robust and bug free that contains all necessary customer satisfied requirements.
* Maintainability
  + Back up: The system should provide the capability to back- up the data.
  + Errors: All errors must be logged in the system
* Reliability
  + The system has ability to run failure free operation.

## Entity-relationship diagram

* An entity-relationship diagram describes the relationship between entities. In other words, it's an image of your company or a specific business process [3].
* Entities are the things for which we need to store data. It is a part of your business that needs the information to be stored.
* ERD entities very often refer to business objects such as people/roles (e.g. patient), tangible business objects (e.g. product), intangible business objects (e.g. log), etc. "Relationship" refers to how these entities relate inside the system to each other [1].
* Below ERD represents the different cardinality between tables and the data model of the system.
* All table prefix starts from “**tbl\_”.**
* Below table describe the admin access where, staff or owner can login through their username and password and they can show the appointment status of patient, adjust staff roster and other required operation.
* This table has **“many – to – many”** relationship with doctors, staff, patients and other required tables.

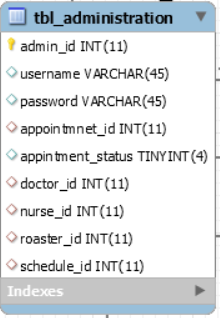


Figure 3 Admin table

* Appointment table store the patient’s appointment according their convenient time, their reasons for consulting clinic and also they can choose doctors/nurse for consult.

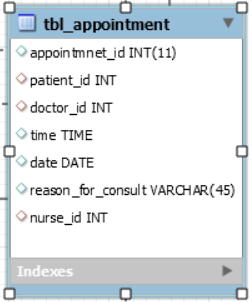


Figure 4 Appointment table

* Patient table store the patients’ personal information. Cardinality of patients’ table is **“one - to – many”** with the necessary table.

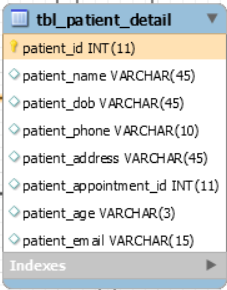


Figure 5 Patient table

* Other table and their relationship between another table is shows in below ER diagram.

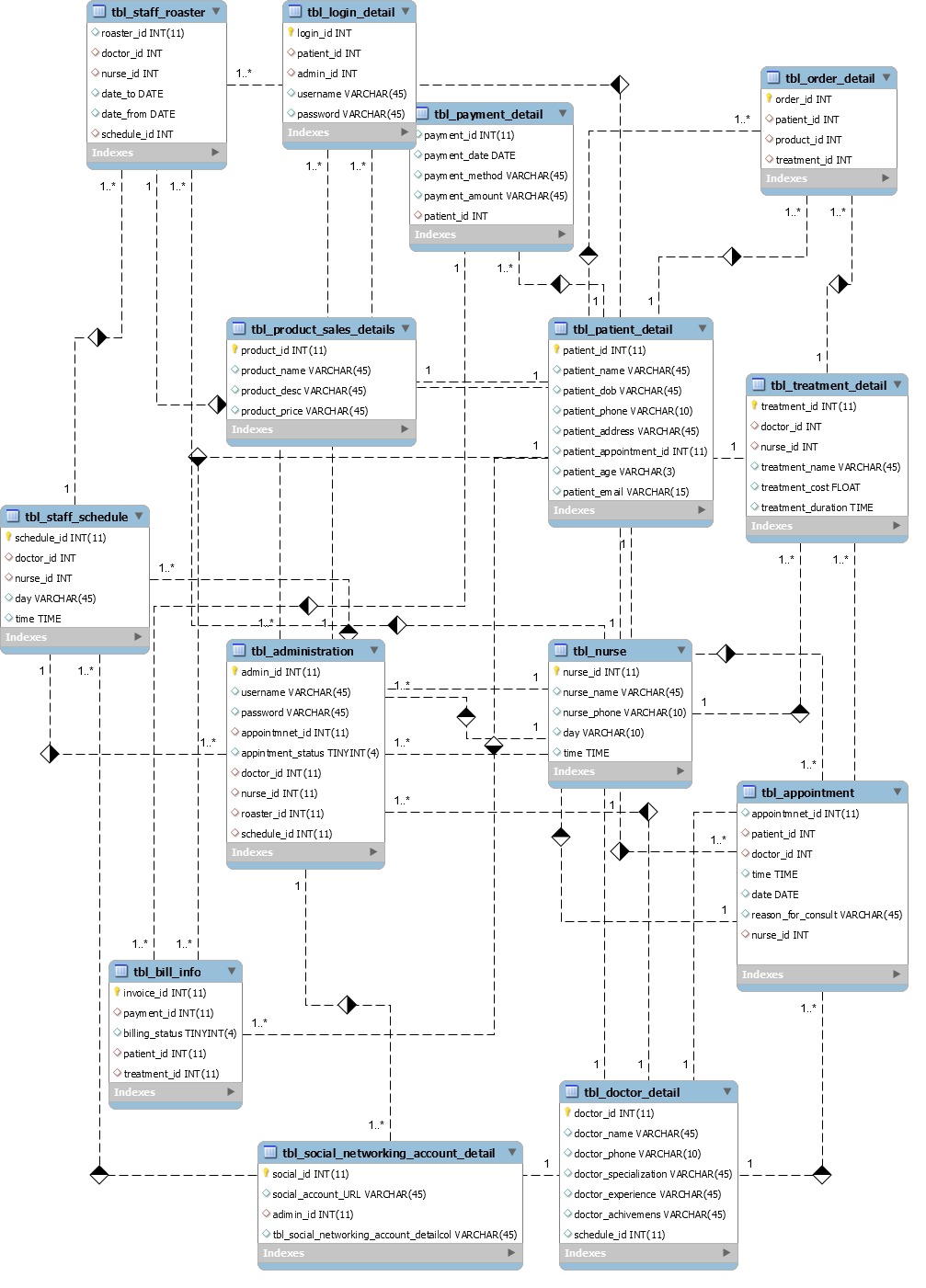


Figure 6 Mr Dentist new system ERD

# Physical Implementation

* For physical implementation of Mr. dentist new system, I used MySQL Workbench tools for creating SQL script and ER diagram.

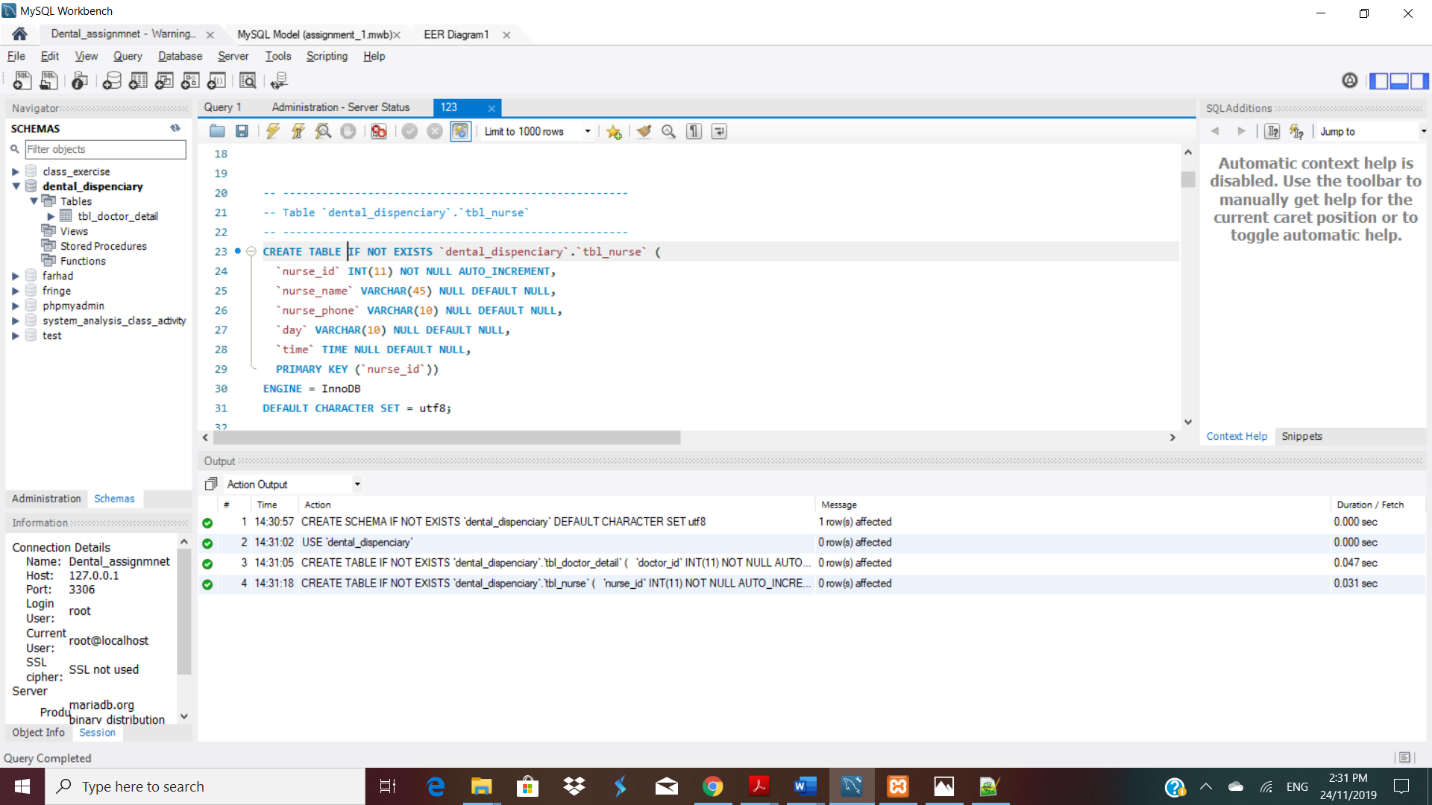


Figure 7 Snapshot of SQL Script

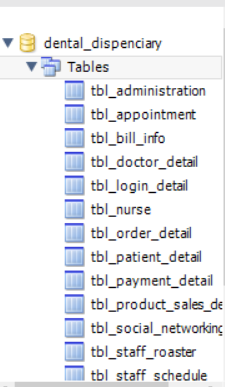


Figure 8 List of tables

## SQL Script

**

# References

1. (n.d.). Retrieved from <https://www.visual-paradigm.com/guide/data-modeling/what-is-entity-relationship-diagram/>.
2. MSG Management Study Guide. (n.d.). Retrieved from, <https://www.managementstudyguide.com/swot-analysis.htm>.
3. What is an Entity Relationship Diagram? When should you use one?: Sisense Glossary. (n.d.). Retrieved from <https://www.sisense.com/glossary/entity-relationship-diagram/>.

**Tools that using for diagram**

1. <https://www.draw.io/>
2. <https://creately.com/app/>