# Questions à se poser ?

1. Comment installer une instance serveur sur un système Ubuntu ? (préparer la phase d’installation)

***Comment installer et configurer Neo4j sur Ubuntu 20.04 :*** <https://www.digitalocean.com/community/tutorials/how-to-install-and-configure-neo4j-on-ubuntu-20-04>

1. Quelles sont les clients et protocoles pour accéder du PC (nom→instance serveur ?, http ?, JSON ?

<https://www.infoq.com/fr/articles/graph-nosql-neo4j/>

1. Quelles sont les APIs de développement possibles ? (C#, C++, Java, Python, … ?)

Neo4j est un système de gestion de base de données développé en java. Pour faciliter la prise en main il existe plusieurs interfaces et packages :

* Neo4j Desktop
* Neo4j Browser
* Cypher
* Pypher

Plusieurs langages de programmations disposent d’outils pour utiliser neo4j :

* Python
* JavaScript
* GraphQL
* Java
* Spring Boot
* .NET
* Go

1. Quels types de données peuvent-être gérés par cette techno ? (clé valeur ?, structurée ?, semi-structurée ?, non-structurée ?

La base repose sur le principe de clés/valeurs, orienté graphes.

1. Comment se démarre l’instance sur le serveur Ubuntu ? Faut-il la configurer ? Depuis quelle adresse IP/port l’instance est-elle accessible? Sur quel protocole ? (http, rest, …)

Voici la commande pour lancer une instance sur la machine virtuelle :

*$ sudo systemctl start neo4j.service*

Pour pouvoir accéder depuis une autre machine du LAN au serveur Il faut ouvrir les connections dans le fichier de config du serveur.

![Une image contenant texte

Description générée automatiquement](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDgRXhpZgAATU0AKgAAAAgABAE7AAIAAAAHAAAISodpAAQAAAABAAAIUpydAAEAAAAOAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFsZXhpcwAAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzEyAACSkgACAAAAAzEyAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIyOjA5OjEyIDE0OjE0OjI2ADIwMjI6MDk6MTIgMTQ6MTQ6MjYAAABBAGwAZQB4AGkAcwAAAP/hCxlodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIyLTA5LTEyVDE0OjE0OjI2LjExNjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BbGV4aXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgA9QMwAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A8Mooor3zgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiuh8W+HNO8Ovpw0vxFZ64Lu1WeU2ox9nY/wNgnn64PqBxnnqSaew7WCiuh0Dw5p2seH9b1C+8RWmmXGmwiS3s5gN96cMdqZYc8AcBuvIFc9RdXsLpcKKtaXaRX+sWdnc3UdnDcTpFJcyfdhVmALnpwAc9e1XfFOj2egeJbvTdN1eDWbaAqEvbcDZLlQTjBI4JxwT0our2HYyKKKKYgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKVEaSRUQFmYgAAZyaaTbsgEorpdd8C6j4fs9Qury5s5YtP1EabIYZGO+YoXO3KjIAGDnBz2rpdX+Fdrpfgc6+2p3nlqJHVn06ZTINqGJTGUHlZZmBdnK/d2ls4rL2kLXuVyvm5ep5rRXovg/4XReKPCsurfbrqM7BgLYzsI2E21sBY288eXk4QghuGwPmqr4C8AWXjLVbuFb688q1lZWAtHTfGUcoxkAdY23KMo+MgnaxPFN1Iq/kCi2rnCUV2Fr4GiuvHNx4biv7ppYYgyyHTJ1LybVLIybTJGvLDeU7AlQDxb8W/D+x8OeN7LQxqV4VvLlk/wCPCSRoYy+2Mg4Xzye/ljGRgFjxRzxul3FZ2b7HCUV3vjr4cw+DtFsr17y5aWeKFfKNpLsaVgxkPmMiCMDaMRnMnJ3BRzV2b4WWcXgFvEX9pX2zaZkY6bMC0fkh1Ux7Ply5I83eY8YwSeKXtI8rl2Hyu6Xc81or0Xwf8LovFHhWXVvt11GdgwFsZ2EbCba2AsbeePLycIQQ3DYHzVU8A+AbLxlrVzb/AG27EFrMVYLaum+Iq+1jIA6RtuVflfAIJAYkYpucVfyDldrnC0V2Nt4FjuPG0nhtb+6a4it1csdLnXdLtVmQptMiJgn94ydgSoBzU/jPwFZeF/GVnoy6jdMl3clTmykZoYTJtRlOFE7EZJ2DGRgE9jnjdLuKzs32OHor0Hxr8NYfCPhy01GW9uWmlijHlmzm2vKzPuyzogiARVIRsuSTwBzVmb4WWcXgFvEX9pX2zaZkY6bMC0fkh1Ux7Ply5I83eY8YwSeKn2seVy6FckrpdzzWivRPBfwwi8WeGp9TW+uo2WM8LYzERuJVB27UYTjyyx2oQwbAIxzVfwL8P7Hxfr13arf3TW9pcFCVtHj8yIq+1zJtdYm3KvyvjIJAJIxVOpFX8iUrq69Dg6K6tfBcTeNm8NLf3RuRBkP/AGVPkz+XvKeVjzQnUb9me+zHNaXjb4fWPhbxVY6ZHqF4Yr658sZsnkaKLKDcrYUTNlm+WMcYAzk4o51dLuPlevkcFRXoPjX4aw+EfDlpqMt7ctNLFGPLNnNteVmfdlnRBEAiqQjZckngDmrP/CrLRfAf/CQvqV8I8efv/s2bPleRvx5Wz/np8vm+Z5W3ndnil7WPK5dB8kk0u55rRXongv4YReLPDU+prfXUbLGeFsZiI3Eqg7dqMJx5ZY7UIYNgEY5qn4F8B2fi/wAT3Ngt/dG2tblVLJaOplhJYFi4V1hb5VwH4OSM5HLc4ptdiUm1dHD0V17+B4l8bDw0L+6N0bbfu/sqc4m2b/L8vb5pTH/LTy899uOaueOvANj4S8TWenpf3hiu7jbhrN3MUXyDcHwizNlm+VOBgAnJ4OeLaXccouN79DhKK9D8Z/DKDwn4Xt9Ul1C4MsiBRG1lMBLIZGHJZE8n92Adr5YnOBjmp/8AhVlovgP/AISF9SvhHjz9/wDZs2fK8jfjytn/AD0+XzfM8rbzuzxU+1jyuXRByu6Xc81or0DwN8N4PGGh3d+L26R4YpV2LZy7UlUoVw6o4lBVjmNcSZAwCOaj8G/D6z8UeL73Sxf3Zt7K6EbMLKSNpYssCxba4hb5RhZMA5IyCMGnOKbTFZ2ucHRXWy+CI08bJ4aW/ujctb7i/wDZc/E2wvs8vb5pToN+zPfbjmr/AI5+H9j4S8QWdkL+88u8uAig2byFIsJlxJhFlbczfKgOMAFgTihTTaXcck43v0ODor0Pxn8MoPCfhe31SXULgyyIFEbWUwEshkYclkTyf3YB2vlic4GOansfhXbXPgT/AISGbUbxI9qTF106disfkszgR7Pn+cACQOI8ZJIPFT7WHK5dNh8knJR7nmtFegeBvhvB4w0O7vxe3SPDFKuxbOXakqlCuHVHEoKscxriTIGARzUHg/wDZ+JvGV3pAv7ww2l0qbhYyIZYt5VmJw4hbGCA4xngkGqc0nZk7R5jhqK7G68CRQeOE8MrqNw1y1uWLDS5ztm2swj2BfMZMAfvAnQ5CkDNT/EHwJY+C9Xgtxe3bRXEuFVrVm2RBUywlIRJG3M3ypkDABYHihTTaS67DcWr+Rw9Fej+LPhdb+GfB8ertqF20mHBVtPnUSt5u1Mh0XyPk5O8kk/dyOafY/Cu2ufAn/CQzajeJHtSYuunTsVj8lmcCPZ8/wA4AEgcR4ySQeKn2sOVyGoSbUUea0V33gX4cReMNFvb5bu5V4IplEa2ku1ZVCGPDrG4kBDHMa4k4GAc5pnhP4f2XiTxreaMmoXrQ2d0sZb7BJE0se8q7E4fyGHYSDB6EqeKpzSdmR9nmOEorrr3wPFaeOoPDI1C4aaSL9440ycmOXazBBHt8x14X5wvQkhSBzd8feALPwXdWivfXZFy6DZ9kdwqeWhkcSMqK53sQEXOBjcVPFCnFtJdS3CSbXY4SivR/Fnwut/DPg+PV21C7aTDgq2nzqJW83amQ6L5HycneSSfu5HNSaT8K7TUfA58QS6neRQhY5WkGnTMY02OZAIwn7zDKuJFfbjcW24xU+1hyuXRaCUW5KPc80orvvAvw4i8YaLe3y3dyrwRTKI1tJdqyqEMeHWNxICGOY1xJwMA5zTPCfw/svEnjW80ZNQvWhs7pYy32CSJpY95V2Jw/kMOwkGD0JU8VTmk7Mn7PMcJRXXXvgeK08dQeGRqFw00kX7xxpk5Mcu1mCCPb5jrwvzhehJCkDm74+8AWfgu6tFe+uyLl0Gz7I7hU8tDI4kZUVzvYgIucDG4qeKFOLaS6luEk2uxwlFej+LPhdb+GfB8ertqF20mHBVtPnUSt5u1Mh0XyPk5O8kk/dyOak0n4V2mo+Bz4gl1O8ihCxytINOmYxpscyARhP3mGVcSK+3G4ttxip9rDlcui0EotyUe55pRXfeBfhxF4w0W9vlu7lXgimURraS7VlUIY8OsbiQEMcxriTgYBzmqvhrwPZeIPHN3oUeoXjR2s4UP/Z8iNLGJQkhYAOYDg5BcbQeGK1fMublFbS5xdFdrq3gKDT/HkHhuPULovOjtu/s2ZjG3z7FChQ8oIVcui45JAYDmX4geALTwXcWqm9um+0sgEZtXYBfLQuwlZUVjvYgIucDG4g8VMakZWt1G4tX8v6/r/M4WivSPFPwttvDfhBNYfULxiBJndp86+afNVYgVZF8jKkk72OSPkDDmn6T8K7TUfA58QS6neRQhY5WkGnTMY02OZAIwn7zDKuJFfbjcW24xS9rFR5gUW5KPc80oruvAPw7Txnp95c/ap0a3SYeWttLt3iMNGfMWN1bLEgx8PgfKGzwzw/4Dstb8eXfh9NRvWW0mQF/7NljaVBIqy7hhjARk4Lrt4+bZV8y5uXqLlfLzdDiKK7TV/Altpvj628Of2hd5uA2XGmzO0RJcIoXAaUEKuXRccnaGxzP49+H1r4LWxeS+uC135X7k2sjADy1MjCVlRSQ5wEA3AEbiDxUxqRdrdR8rTa7anCUV6R4p+Ftt4b8IJrD6heMQJM7tPnXzT5qrECrIvkZUknexyR8gYc0vhr4W2mveDX1ttSvY0KxsGXTpm8r53WUBFQ+eAFGCjjGTv20vax5eboHK72PNqK7vwH8O4vGVje3K3dwpt1nAjFtKF3CMNGfMVHU5Y4MY+fA+XdniHQvAlprPjy78PxaheMtrIo8w6dKjSqJFWTcoDNDgE4Z1xwN23PF8y5uXqJxajzfI4qiu21rwFa6X48tvDv8AaF4GuWf5v7NmcxDc4jAGFabIUZZFxydu7FP+IPw/g8FQWcn22d5boR7YGt5Cv+qBkbzWRFJDnAQAsARuweKlVIu3mPld2uxw1Fela/8ACu20TwX/AG4+o3jBRKwJ06dfMGUEQZGRfJzubLO5HA2b6Tw18LbTXvBr622pXsaFY2DLp0zeV87rKAiofPACjBRxjJ37aTqxUXLog5WebUV3XgD4ew+NYrqRbu4RoBKuwW0gXPlFo281Udc7wAUOGI+6SeKj0TwFaav49uvD0Wo3ci2rpmT+zZo2kAdFlDLhmhxubDOu3IG7bmq51zcvXcVvd5vkcTRXZ6/4Is9F8dWfh99QvMXUpVnGnSs0QaRlj2ghWmyACWRcHJ27qs+PPh3B4N0mxuzeXLTXEcIMLWsu0uUJkPmMiBcEACMguAfmApKpFpPuPld2jg6K9K1/4V22ieC/7cfUbxgolYE6dOvmDKCIMjIvk53NlncjgbN9N8L/AAtt/EPg99ZOoXkYZYyCunzt5R81llwqo3ngKAQUYYOd+0DNHtI2uHK9PM83oru/AXw8t/Gi3jxXlyPs/mqF+yyKv+rLRsZFV1yWABjOGx90seKqaZ4Hg1Px5d+HbbULmT7P92U6bMjSMGUOrIFZ4gMt8zLgbRuC54fPHm5eu4rPl5vkcfRXc+JvAVjoPjqz0H+0L0LeTsgb+zpJGiQyFItvCmcnAyY1x2XfT/Hnw7g8G6TY3ZvLlpriOEGFrWXaXKEyHzGRAuCABGQXAPzAUlUi0n3KcGm12ODor0rV/hXa6X4HOvtqd55aiR1Z9OmUyDahiUxlB5WWZgXZyv3dpbOK81qozUtibaKXcKKKKoQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV0/w5cL8QNJT+0b7TnluY4klsky7lnUbCd6EKQSCQT9DXMUUCaurHuPxL8RuPAl2sfiTXHbUtdvTEjRFEMabUa3J844iGSRgEE9VWvJZ/FmvXNn9ln1a6ePMpYmQ75PNCiQM/3mDBFBBJHFZFFZU6agrPX+rfoaym5O/r+Jp2fiTWLCze0tNQmjhdEjC5zsVZPNXYTymH+b5cc06w8T63pl2bm01K4EjSPM3mN5itI6FGcq2QWKsw3EZ5rKorRpPci7Lya5qqXTXI1G6MzRrC7mZiXjXG1Dk8qNq/KeOB6VNeeJ9bvtSW/uNUujcpNJPG6SFPKkc5dkC4CEnk7QKy6KLIXSxpXviHVtQtY7W6vpWt44IrcQrhEZIs+WGC4DFdxwTk89ambxbr72LWj6tdGNpWlZjJ+8ZmjEbZk+8QUAXaTjA6Vj0UuVdh3Zp2fiTWLCze0tNQmjhdEjC5zsVZPNXYTymH+b5cc0un+Jta0u++2WeozrMZmnYyN5ivIyspdlbIZirsMkE8msuim4p7iLya5qscwlTUrreIVt8mZjmJcbYzk8oNo+XpwOKlvvEms6jqK313qVy1xHcPcxOrlBFKzbmdAuAhLAH5QOQKzKKLK9xmld+ItXvrGOzub+ZraOBLfylO1XjV2dQ4GN+GZiC2SM1M3i3X3sWtH1a6MbStKzGT94zNGI2zJ94goAu0nGB0rHopcq7BdmpZ+JdZsLF7O01GeO3eMRhN2diiQSDZn7nzgNlcHNLYeJ9a0y/N5aalOJzM07GRvMDyMrKXZWyGYh2GSCfmNZVFNxT3Qi5/bGp7y/8AaN1uNv8AZS3ntkw4x5fX7mBjb0qzqHinXNU1Jb+91O4a4Wf7QjI/liOXj51VcBW+VeQAeBWVRRZXuO7NK78RavfWMdnc38zW0cCW/lKdqvGrs6hwMb8MzEFskZqUeLNeFn9mGq3QTzvO3h/3m7yvK/1n3seX8u3OMcYrIopcq7B5mpZ+JdZsLF7O01GeO3eMRhN2diiQSDZn7nzgNlcHNJp/iTWNM1L7fZ6jOtyZxcu7tvEko3Ydg2QzfM3JB+8fWsyinZC6WLp1nUy246jdZ+z/AGUfvm4h/wCeXX7n+z09qsaj4o1vVdRF9fancPcLP9oRkfyxHLx86quArfKvIAPArKoosr3HdmpeeJdZ1CyS0u9Rne3WIQmMNtDoHMgD4+/h2LZbJyaePFmvCz+zDVboJ53nbw/7zd5Xlf6z72PL+XbnGOMVkUUuVWtYLu9zTsfEmsabayW1nqEyQPA9v5ZO5VR2VmCg52EsqnK4OR1pbHxNrWnaodRtdTuBdNOLl5JH8zzJRnDuGyGI3NyQfvH1rLop2Quli42sak7h21C6LLbm1B85uISCPKHPCYJG3pz0qzqHinXNTvvtl5qdwZvPFypjby1WUKqiRVXAVsKo3AA8CsqiiyvcZqXniXWdQsktLvUZ3t1iEJjDbQ6BzIA+Pv4di2WycmnQ+Ktdt7MW0Gq3MaLIkqsr4kRkjMa7X+8oCMVwDjHGKyaKOVWsF3uadj4k1jTbWS2s9QmSB4Ht/LJ3KqOyswUHOwllU5XByOtLY+J9b07VG1C01S5F0863EkjuX82RSSruGyHIJP3geprLooshdLF19Z1OSQO+oXRYQG2B85uITnMY54Tk/L05PFT6j4n1rVrw3V9qU7ymYXA2N5arKFVRIFXADYVRkDPArLoosh3bNW68Ua3e6ellc6lcPbqroV3YMgeTzGDkcvl/m+Ynmlh8Va7b2YtoNVuY0WRJVZXxIjJGY12v95QEYrgHGOMVk0UcqtawXe5o2PiDVdOtZba0vZFglgkt2ibDqEk2lwobIUnauSMHgc1LZ+KddsNUOo2+q3X2tpkneSSQyeZIn3WcNkORk43A9ayaKLLcXSxcfWNSkuI531C6MsUJgjfzmykRBBjXnhcMw2jjBPrVi+8Ta1qUyy3epTlleORRG3lqHjQIjhVwAwVQN2M8day6KLIbberNW68Ua3e6ellc6lcPbqroV3YMgeTzGDkcvl/m+YnmnQ+LNftrMWsGrXSRq8bowkO+MxqyJtf7ygKzDAIGD0rIopcqtawXe5o2PiDVdOtZba0vZFglgkt2ibDqEk2lwobIUnauSMHgc1LZ+KddsNUOo2+q3X2tpkneSSQyeZIn3WcNkORk43A9ayaKdluLpYuPrGpSXEc76hdGWKEwRv5zZSIggxrzwuGYbRxgn1qxfeJta1KZZbvUpyyvHIojby1DxoERwq4AYKoG7GeOtZdFFkNtvVmrdeKNbvdPSyudSuHt1V0K7sGQPJ5jByOXy/zfMTzTofFmv21mLWDVrpI1eN0YSHfGY1ZE2v8AeUBWYYBAwelZFFLlVrWC73NGx8Qarp1rLbWl7IsEsElu0TYdQkm0uFDZCk7VyRg8DmnW/iTWrXUmv4tUujdPNHPJJJKX810YMjOGyHwQCN2azKKdle4uli/ca7qt1eC6m1G5MwV0VhKV2K+7eqgcKp3tlRgfMeOak1DxJrGqSB73UJnw8cgVDsQOiBFfauBuCqBuxnjrWZRQklsNu+5q3HijW7uyS0n1O4aJVlU4bDSCVw8gdhy4ZwGO4nmnQ+LNftrMWsGrXSRq8bowkO+MxqyJtf7ygKzDAIGD0rIopcsbWsF3e5oafr2p6XDJDZXkkcMkcsTRNh02yqEkwrZALKACRzwOeKfb+JdbttSN/Hqt2bppYpXkklL+Y0ZBjLhsh9pAwGzjFZlFO2txdLGhNr+rz3y3kmpXX2hA6xyLKVMauWLKuPuqdzcDA+Y+tP1DxLrOpspvdRncIY2VFbYgaNAiNtXA3BQBuxn3rMooUUtkNtvc1bjxRrd3ZJaT6ncNEqyqcNhpBK4eQOw5cM4DHcTzTrXxXr1nZtbW2q3McbeSAQ+XjERJjCP95ApZsBSOtZFFLlja1guzRsfEGq6bHLHaXsixyxyxvG+HQiVQsnytkAsoAJHPA54pYfEWsw6i1+mp3TXTvHJJJJKXMhjYMm/dndtKqQDkcCs2inZXuJ67mjP4h1i4vRdyandCZTKUZJSnl+YSZAgGAoYs2QMA5NLqfiLVtYULqN/LLH+7PlA7UzGgjRti4G4IAN2M471m0UJJbDu9zWn8Va7cWYtptUuWjzMWO/DyedtMgd/vOG2rkMSOKW18V69Z2bW1tqtzHG3kgEPl4xESYwj/AHkClmwFI61kUUuVbWEaWn+ItW0tJEsb+WOORZVaNjvQ+YmxztbIyV43Yz70Q+ItYg1E3yandNcs8bvJJKX8wxkGPduyGClVwDkDArNop2V7g9VZmjN4i1ie/S9fU7oXETyPE8cpTyi7Fn2BcBASxJC4HJpb/wARatqdtFbXt9K8EUUUSwqQibYlKx5VcAkAkBjk89azaKFFLYd3e5rT+KtduLMW02qXLR5mLHfh5PO2mQO/3nDbVyGJHFJa+KNbsrJ7W21O4SJhEB82WjETl49jHlNrMSNpHJNZVFHKuwjTsfEmsad5otdQmVZhKJEdt6sZU2SNtbI3MvG7r71ENc1UX0l6dRumuZQqyyvKzNIFKlVbP3gCi8HI+UelUaKEkndA9VZmpc+Jtbu9RF9Nql0LlZZJo3jkMflPISZCgXATcSSdoGabf+ItW1O2itr2+le3iiiiWFcIm2NSseVXAJAJAY5PPWs2ijlS2Q7u9zXn8Wa9c2f2WfVrp48yliZDvk80KJAz/eYMEUEEkcVkUUUJJbAFFFFMQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUqI0kiogLMxAAAzk0ldP8OXC/EDSU/tG+055bmOJJbJMu5Z1GwnehCkEgkE/Q01uKV0tBuu+BdS8P2eo3V3c2csWn6iNNkMMjHfMULnblRkADBzg57VzVe4/EvxGw8CXax+I9cc6lrt75UbRFUMabY2tyfOP7oZJGAQT1Va8Ornozc43fl+SNakVHbz/NnVar8O9Z0jRdB1W4ktJLXXNnkNFIxMRcAqJAVGCRnpn7pqnf8AgvXLTxVfeHrWyl1S/sGImXTonmGBjLABc45HJA6160bhL1vBfhq7OYdT8O2kltk4Ed1E7vEfbd8yf8Dq14sgttUs/GOmWemajq16PEQmvLLS7tYrh4fKUI5UxOXQP2A4JzkVHtZKVn5/ml/n+AcqTt5R/FN/5fieTeD/AADq3ivxamiG1vbMRy+VeXBs3f7GcNjzBxt5UjBIqjfeDfEmnTOl1oGqxBVeQNJYyLlExufkfdGRk9BkV6Bp/iFpfjr4Xu9c0i70B7WKG0lGpyEzS4RkWWRmRMkgqM47VX8D+Gta0P4sjS9c027sodVS9sN80Lok4MT/AHGOAwzt5HqKtzlv5P52HFQ1Xmvkne/3f1Y8ztbG7vRMbO1muBbxGaYxRl/LjHV2x0UZHJ45q2fDmuDR/wC1jo2oDTcbvtv2V/JxnGd+NvXjr1r2zUbHw5ongrXNU0y3h2WFtH4dvxDGFM0izx734xlmUnJ77famNDqlt8dbjxZd+YPCItWc6juJtHszDhYw33TlioEY53du9S699Y+f4f5ppr5ijBt2f9f8M7r1PGbHwt4g1OGKXTdC1O8jmVnje3s5JA6g7SQQOQDwT68Vq2nhW3k+HOta7dm5i1DTr+G1EJwqgNnduUjO4Eeorf8AFOqXdl8I/h+lhczQQ+bfXCxq5xvS4+RiO5XJwfc10/w88V2svhTXfEPjf/TBJrdq80/lLiOTYwSUxqAGCnBKjrjv0NVJTSdujt5/El+Ov9bQ0lNL19Phb/yf6d/GtR0jUtIkjj1bT7qxeVBJGtzC0ZdT0YBgMj3qpXT/ABB0bXNJ8X3TeI7h7+a7bz4tR6peIQCroemMEDA4HTtVTwTPp9t470SbWdv2GO9iacucKF3DlvYdT7CtacudJhP3b2Kl14e1qx0yLUb7SL+2sZtvlXU1s6RSbhldrkYORyMHmlPhzXBo/wDax0bUBpuN3237K/k4zjO/G3rx1611XjLRfEtl4w1jV/ENtfPplxdhprwsRDeQGRWRUfOJBtCEKpJAXOBtOO/aHVLb463Hiy78weERas51HcTaPZmHCxhvunLFQIxzu7d6xdX3VLvd/d09X+j0LUbyt/T16f11R4zY+FfEOqQpNpmhaneRSKXR7ezkkVlB2kggHIyCPqKisdA1jUwDpuk314DKYR9ntnkzJtLbOB97aCcdcAmvSJb2dPCvwqtreaSO1bUJ5hEGwNwuwFY+4DEZ9z61o+NL25svBXj1LSZ4VufFzQzBDjehRiVPtlRTnUcW15tfdJL9S400767f5Sf6HkMuk6jBqo0uewuo9QLrGLR4WEu5sYXYRnJyMDHOadqejapolwkGs6bd6fM671ju4GiZlzjIDAZGQea9vsbiD/hMdNE5kfUrzwJBHYlLlYZZZ2X7qSMCFkYZAY5+hrnLW+h0f/hFtG8QeENZ0fSbbXEuhd63MXCqQA8a5hjATO1yOehz1q+Z83K/61a/S5jpyt/1tf8A4H4nnMvhnXoLK2vJ9E1GO1umRbed7SQJMX5UKxGGJ7Y610Wp/CvxLYeHdI1KLSNVuZr5JmuLRdNkDWex9o39T8w+YZA49etO8e6H4stfEev6pq0N59juZyWv3Y+RdRs4MYR87ZBgIQoJwF6DacaOraLqfiL4R+DZdA0+51Maeb2G7FnEZWgdpd4DquSuV5yf6ip524KV7a/o/wBbF8qTscTpnhvXNat5J9H0bUNQhjba8lravKqHGcEqDg4qLT9G1TVg50rTby9EbKjm2gaTazHCg7QcEkHA716Vf6brfiHQfAM3geGea1sbdYna1BK2V6JMyPLjPl5yrbmxxz0rW1nW7ebS/i3qPhm62W81xYIs9s20SbnKSkEdVY7+e4PvTc3Z/wBfaS19b3+XUSirL5fiv0/qx45qOlaho939l1ewubC42hvJuoWifB6HDAHFVa0NR17UtWsdPs9RuTPBpsRhtVKKDGhOduQMn8c4qfwlNY2/jPRptX2/YY76Frjd90IHGSfbHX2rSKb0ZnJ2VyK48Oa3Z6XHqd3o2oQWEgUpdy2rrE4b7pDkYOe3PNCeG9ck0c6tHo2oPpoBY3q2rmEAHBO/G3gjHWuv8caL4og8Za5rOrwXsmlTXG6S+DEQXVs0imNUfO1xjZhATjb0+U47sQ6knx1XxWS6eEFtQy6juxZiz8naIgx+X7/Hl9d3bvWDq+4pd7/LTb1/yeho4rm5Vr+vp/XbueL2HhjX9Uijk0zQ9SvI5VZo2t7SSQOFIDEEA5AJAPoTWl4H8Jr4n8aw6LqU0tjEgkkuiE/eKsalmUA9G4xz09DjFdbqmoyx/C7wHDYyywWkuq3cwiDd1nGwnHcBj+ddZYavqVt+0d4h0+21C6hsnS4ma2jnZY2k+zj5yoON3A568CplWkot26Sf/gNv8/wCUUmlfqvxbX6fieOGysdb1a3tPCmi6y5JJkh89byWRR3VUiTGBn1pvi3T7HSvEtxaaXZ6vZ20YTbDrMSx3KkqCdyqABycj2xTGk8SeM9SVGfVdfvkjO1SZLqRUB7dSBk/TmvU/GGjX8H7Q+k6heWMlvYS3tiiXd3C6wOyomVD8An5TxnqOe9a3tKMWGlpS8jzCfwV4ptbOS7ufDWsQ20aGR5pLCVURQMlixXAGOc1SGhaudQgsBpd6by4QSQ2/wBnfzJVIyGVcZIIBOR2Fep+NftejaF4ygttF8TyRa3qSzz3Wp6aYbe1VZSwKuGYOWJA3fLxiuj0nR77VPi94N1+ygaTSI9Eg3Xx4h3CF02BjwX3HGwfN7YBNZe2fLzdP/tb/noEo2ly+v4NL/gnh9l4Y17UkjfTtE1K7WUOYzBaSOH2EBsYHOCQD6ZFRWugaxe6pLptlpN9cX8O7zbWK2d5Y8HBygGRg8HIr0LxFeXMH7PugW8M8kcM+rXXmxqxCybWJG4d8Hn61W0CzvvHun+Jdf1q51TWLxBbrJpWkssU94chVkYBGBVAOyE5OcjHNqo2m+3/AAP8/wCulTiovl/rd/5HM6D4G1zWvFcOhtpmoW8oniju2Nk7NZq5HzyLxtGDnnHHeo/EXgzW/DepTW97peoJbrdNbW91LZvGlyQSFK5GDuAyACa9I8ZGPSfiN8N5L9Ws1tbSyE5ublJmiVLhgQ8qgK20A5OAOK4jx74V16w8bapJdaPfJFeanKtrL9nYpcF3JQI2MMSDwBzTjO/K/X8GhShyp/J/erlTxNoEGh6RpIk0nxBp2pzK/wBsGq2wihcjGPJ4DEDPOfUVmw+G9cudJbVbfRtQl05FZmvEtXaEBfvEuBjAwc88V3njHwzrsHwm8Gefomox/YFv2vA1pIPs4MykF+PlBHIziupEGp3Hxo0fxPpO+PwjDawtDqCki0gtFi2yRs33UIYOpQ4Oe3ejnsnr1fpp/n/mK1l6L7zxuw8M67qkcb6Zouo3iShmja3tHkDhSAxBAOcEgH0yKz5oZbaeSC4jeKWNijxupVkYHBBB6EHtXp3i3VmX4TeHU0aWW10+61i/mSFDt4WUGPOP7oasX4yjHxe17H/PSM/+QkpwnKVrre/4W/z/AAHKHKr/ANbtfocRRRRWpmFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUAZIA6mhJt2QBRWzqnhHXNGhvJtSsvJjsrpbO4bzUYJMy7gvyk5+UZyMgVuX/AMNp7HwsNbbXNJeDdKA63SGObYqMqxEEsztuI2FVK7TuwCKjnja9x2d7HFUV2Hh74eXHiHQLjVIdX02GOGNGKyXMa+STN5ZE25gYxj5w2GDDgZbiovCfgVvFeqy2drrFipileMqrjzZAqOwkjRym9CUwcHcuckAUOcVfyHytnKUVvw+EpJ/EUmjR6xpLzRxK4lS8UxSsQp8tJDhGf5sY3BSVIDdM3PEXgR/D3iiHRrjW9M3TXLwiSSbHkKGwrzhdwi3ZzjJIHXFPmjdLuK2jfY5Siur8UeA5vC+mWl5c6pYubm3hlFuJ0aVjIGJ2BGbdGu3/AFhIU5GM1ak+G8sfhJte/t/SGgEjAOLlfLcCESBVOd/mknb5RQMCMnA5pc8bXHyu6RxVFdh4e+Hlx4h0C41SHV9NhjhjRislzGvkkzeWRNuYGMY+cNhgw4GW4qLwl4GbxZrT2Ftq9inlzNGdrgySKFdhJHG5QuuUwcHcNwJGM03OKv5CszlKK6CDwlJPr50hNY0hrhYFl3JeKY3YgHyVkOEaQbv720kEBs1Z8TeB38NeJotIuNZ052muWg3mbBt1DhRJOq7vLBB3YySADkUc0bpdwto32OWorrfEngCfw1otrqF1qunv9ot0lWBbhGeQs7r+6CM29AFDGQ7V+bAyeKsSfDeWPwk2vf2/pDQCRgHFyvluBCJAqnO/zSTt8ooGBGTgc0vaRtcfK7pdziqK6/w38PbjxJolxqNtq2nRLDD5jJJcophIlVD525lMa7WLhgGBAx14pnhXwG/ijXpdOt9YsFMM7RMY5A0kqhXIkiRinmJlMcHIDAkYzQ5xV/ISV1dHJ0VuDwux106SNY0czi383zftq+QX2bvKE3+r39s7tmeN1aPinwE3hjxHBpU+tac5nuPJDSShXgX5f3kyLu8tfn4yScKTjpT5ldLuFmclRXW+JPAE/hrRbXULrVdPf7RbpKsC3CM8hZ3X90EZt6AKGMh2r82Bk8VOPhvL/wAIn/bp17SRb+bt8w3K+Vt8jzcZzv8ANz8nlbN2eenNLnja9x8rul3OLorr/Dfw9uPEmiXGo22radEsMPmMklyimEiVUPnbmUxrtYuGAYEDHXiofC3gd/FHiR9Kt9WsEMdyIS6ygtMpLZkhRivmKNucAhsMDjrh80U2r7Ctpc5ait5/Cjprv9k/2xo/2g2/nb/tq+UHxnyTL/qxJ2+9tzxuzV7xZ4Ebwr4gi0yfWdPczT+UC0mHhXC/vJkXd5andwMkkKTjpRzK6Xcbi1e/Q5Oiuv8AEXw9uPDugW+qXGrabIs0QdYluUZpj5rJ+52M3mKAAxf5QA2OoxUo+G8v/CJ/26de0kW/m7fMNyvlbfI83Gc7/Nz8nlbN2eenNL2kbN32Dld0u5xdFdb4X8AzeKNMury31bT4vs9vLK0LzoskZQoP3gdl2IQ+fMG5RjBweKb4a8CP4k8US6Pb6zp2YboQGSKYMZl+bMkKsV81Rt6Ag4YEAjOG5JOzFZ2ucpWv4U8RTeE/FVhrlrDHPJZybxFJna4IIIyOnBOD2NTSeFZI9eXSf7X0g3DW5l3/AG1fJV9pbyTL/qw/GPvbcnG6r/irwG3hbXItOuNa09jLOsI3yYkiUqh8yVE3+WmXwMncQpIGKOaLsu4OLV7lkeOtO06213/hHtFure61yJ7e5mvtS+0hInJLhFWNPmJI+ZixGPcmuKrr/EXw9uPDugW+qXGrabIs0QdYluUZpj5rJ+52M3mKAAxf5QA2OoxUtp8N5rrwqdcOuaTFb74wZHuk8tA0TSEMc7xICoXywhYk5GRzWcXTirp6LQtqUnbq9Ti6K63wv4Bm8UaZdXlvq2nxfZ7eWVoXnRZIyhQfvA7LsQh8+YNyjGDg8VH4c8Dt4h8US6NBrOnBorpYDJHMCZ1LFTJCG2+YBjOMhiDwDWnMr2M+lzlqK6C58IS23iBdHfV9H+0mBpSxvVESOAT5LSfcWT5cYLbckAtVrxf4Hbwjq62Vzq9lJvmEYUt+9jXYjGSSNN+xfnwATuOCQuMUKcW0l1KcWr36HK0V2Wu/DqbQfDUGrza1pcqSrIQkdyjiYrL5YEBVmMuR8xOF2jg4PFOtPhvNdeFTrh1zSYrffGDI90nloGiaQhjneJAVC+WELEnIyOaXtI2vcFFt2RxdFdX4X8CTeKNNu7y21Oxj+zW80rQNOiyKU243q7Ltjbd/rOVGDnHFHh/wK2v+KpdFg1vTS0NykBlimz54LbWeEPt80LjOAQSOVBp8yTsT0ucpRW/d+E5bTxFFo0mraT58kRdpfti+VCwDHynk+6r/AC46lQWGWHOLnizwI/hO8hgu9XsWMzRr5ZkBlQNGrs7ohfagLbQSctjIUihTi7We5Ti07HKUV2Wu/DqbQfDUGrza1pcqSrIQkdyjiYrL5YEBVmMuR8xOF2jg4PFP074bT6j4YbWk13SYoFaLdJJdII4g6uSJDnerqVC7NhLbgVyOan2keXmvoHK72OKorq/C/gSbxRpt3eW2p2Mf2a3mlaBp0WRSm3G9XZdsbbv9Zyowc44o8P8AgVtf8VS6LBremloblIDLFNnzwW2s8Ifb5oXGcAgkcqDVcyTsT0ucpRW/d+E5bTxFFo0mraT58kRdpfti+VCwDHynk+6r/LjqVBYZYc4ueLPAj+E7yGC71exYzNGvlmQGVA0auzuiF9qAttBJy2MhSKFOLtZ7lOLTscpRXZa78OptB8NQavNrWlypKshCR3KOJisvlgQFWYy5HzE4XaODg8U/TvhtPqPhhtaTXdJigVot0kl0gjiDq5IkOd6upULs2EtuBXI5qfaR5ea+gcrvY4qiur8L+BJvFGm3d5banYx/ZreaVoGnRZFKbcb1dl2xtu/1nKjBzjiodF8GHWfFUuiQa3pheK4SHzln+W4BkCMYd+0SEZztyCw+7mq5lflJ6XOaorpNS8Gyad4oXRH1jSTM6yHzGu1VIipcBJX5VHOz7pYgFgCRzibxd4Gk8JXUUV1qtk7StGoi8wecgaNXLsiFtqAttBJy2MgEc0lOLtbqU4tHK0V2Wt/DmbRPDcGrz63pckcizEBLlHWbZIEUQFWJl3A7j8q7AMNg8U/TvhtPqPhhtaTXdJigVot0kl0gjiDq5IkOd6upULs2EtuBXI5o9pFR5r6BytuxxVFdT4T8DT+LLa5mttRs4vs8M8jQNMglHloGBKuy4Ridu/JC4O7AxlukeCjq3iuTQ4dc0pnimjj82O4ys4Z1VjCW2iQruztyC2Pl3U+Zc3L1FZ25uhzFFdJqXg19N8Ux6HJrWk+bJvzM10BHCQWASVhlUc7emTt3DJHOJ/FfgObwp9mN3qlixuBDiEyqZlDxhy5RC+EUkruz82MgEUlOLtZ7g002uxylFdlrfw5m0Tw3Bq8+t6XJHIsxAS5R1m2SBFEBViZdwO4/KuwDDYPFO0X4cS614bm1eLXdJhijEJJluVVId7MrCYsQ0ZXbwNp35+XNHPG3N0CzOLorqfCngWfxVBdS2upWUf2aKd2hMyCX92gZWKuy4jYnG/JC4O7HGY9L8GNqniqXQ4Na0ppIpUTzo7gbJ9zqreSW2iRhuztyN207c8U+ZX5eoNNK/Q5qium1TwW2meKI9Ek1vSRLI8q+Y9yAsO1mVRMwysbNt+7uO3cN22pPF/gWfwjHA91qVnK06xFbcSqZwHjDliiMwCAkruz8xGQMc0lOLtruPld2jlaK7TVPhvNpXhlNZl1zSXhYzbWS6RknCFAohKktIzbj8u0bdp3baNF+HEuteG5tXi13SYYoxCSZblVSHezKwmLENGV28Dad+flzRzxtcOVnF0V1PhLwNN4t8/7JqVmjQrMTAZVEx2Rl1bY7L8jEbdwJ29SAOaZpvgp9S8VyaHFrWkvJG8S+dFcgpPuZQwhZtqyMu77uRu2nbmnzLm5eoulzmaK6TVvBx0nxRDos2taWJJpXjMrT/Lb4dkXziu4RsduSuTtyN2Oan8VeBJvCun2d1capYym6hhkFusyGUmRSxKqjMGjXGPMyA2RjNJTi0n3Hyu9jlKK7TVPhvNpXhlNZl1zSXhYzbWS6RknCFAohKktIzbj8u0bdp3babofw5m1zw5Pq8Wt6XDHGISfMukVYd8hRhOWYNFtA3D5W35AXJ4o542vcXKzjaK6vwp4Em8VtcCz1SyDQCb90JVErbIy6sEcp+7YjbuGducsAKq2nhCS88UTaJBq+lSSxbds0d2vlTklQUidsK7DceMjO04J4y+Zc3L13Dpc56iup1zwQdD8VRaJNrml75Z5IhLJPgQBXKqZtu4RFsZ25JUH5ttO8VeBJvCun2d1capYym6hhkFusyGUmRSxKqjMGjXGPMyA2RjNJTi0n3G4yTafQ5Siu1v8A4bT2PhYa22uaS8G6UB1ukMc2xUZViIJZnbcRsKqV2ndgEVxVNST2FbS4UUUVQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArpPh9D9o8daXF9qsbYyXCIDfW3npJlwNgXy3AY54JAA9RXN1Jb3E1pcx3FrLJBPE4eOWNirIwOQQRyCD3oE1dWPb/iVqgTwLqe3U9Dka+8Q3bRJHpo3SRoAhUMYBiVS3MhOSOjnpXnN/8AE7xRqehtpV5fLJbuJElBjBEiMFAQp9wBdgK7VBUkkGubudTv72BIby9uLiKN3kSOWVmVWc5ZgCeCTyT3qtWFOkoxtL+tLGsqjb5lvr+LOp0X4j+JfD+jnTdMv2it1UCELlfIIl8wsoBAJJ4JYNlTt6cVF4f8fa74aup5dMmiRLmVpp4REI0lYqyjOzacLvJVQdoOCBXN0Vq4xd7rci7RvQ+NvEEHiCXXE1Bv7SniEMtyI1DuoCjqACCQoBYYY85PJqbVvH2v6z4gttZu7mP7VZzNNakQqwtyzbtq7wSVB+6GJC9sVzdFHLG6dtgu7NdzpNf8fa/4l02Gw1W7822jjiUo+XLvGCBKWckiQhjuKkbuM9Ksy/E7xRNoLaRJfKbdgUP7sY8oxiPyQn3AgCggBQQ2SDmuSopckbWsPmd7nU6L8R/Evh/RzpumX7RW6qBCFyvkES+YWUAgEk8EsGyp29OKh8PePNc8M301xpk0SrcTGa4g8sJHM21gA2zado3khQQoODjgVzlFNxi73W4rs34fHHiGDXW1lNRY6i8C28l1sXzHQADlgM7iFAL53EZyeTT9b8da7r2vW+rX1xGbm0nae1xErCAl94UbskoG6KxIHIHU1ztFHKrp22C7s13Om1z4g+IvEWkx6bql6ZrZY0Vw+XMjKzMJCXJIf5yCy7cgAHIFTy/E7xRNoLaRJfKbdgUP7sY8oxiPyQn3AgCggBQQ2SDmuSopckbWsPmd077HU6H8RvEvh3R203Sr4w24XEQUbTC3mCQuNuMsSuCW3fKSvSovD/j3XfDWoT3WmzRKLmYz3EAiEcczFWADBNp2jeSFBCg4OOBXN0U3GLvdbiu1obY8Za+NcOtDUXGpmD7ObwIol27dmd+M79vG/wC/71b134ga/wCINZttSvZ4lls7j7RaosQZYGypwu/cSuVB2kkZzxya5mijljdO2wXZ02ufEHxF4i0mPTdUvTNbLGiuHy5kZWZhIS5JD/OQWXbkAA5Aqf8A4Wd4o/sL+yjfAwfd5QEeV5XleT5f+r8vbzjb975s55rkqKXJG1rBzO6Z1Oh/EbxL4d0dtN0q+MNuFxEFG0wt5gkLjbjLErglt3ykr0qDw/451vw1q01/pk8aNcTrPcQiMJHMQWIUhNpCZY/KpA6ccDHO0U+WOum4XdrG6fGviA62NY/tFxqQt/swvAi+cE27c78bt+3jfnfj+Kp9f8fa74k1a31DUJot9pOZ7aMRBkgY7SQu/cSuVB2klc545Nc3RRyxunbYG2zqNd+IniPxHpKadqt751uEUSBxvMrB2cSEtna/zEZXb8uB0qX/AIWd4o/sL+yjfAwfd5QEeV5XleT5f+r8vbzjb975s55rkqKXJG1raD5ne502gfEHxD4a0yTT9KvPKtnRwqKCnluxUmUFSCXGwAFs4GR0NJonj/X9B1u41SyuY/Nu7gXF1H5YRLhgWOGCbTtyxO0EAnHHArmqKbjFu7Qru1jcfxnr764usf2i41Jbf7Mt4FXzQm0rnfjcX2nG8nf71Z174ga94i1OC9v5os2s4uLaIRB0gfCghd+47SUBKElc5OOa5qijljdO2wNt3Oo134ieI/Eekpp2q3vnW4RRIHG8ysHZxIS2dr/MRldvy4HSpLb4m+KLXQ10qK//ANHQIibkyFiWMx+Vs+4UIbJBU5YBjzzXJ0UuSNrW0HzO6dzptA+IPiHw1pkmn6VeeVbOjhUUFPLdipMoKkEuNgALZwMjoabonj7XtA1241WxuIxPdzrPdL5Sos5DFtp2bSFJJJVSAeM9BXN0U3GLd2ieljdk8a+IJNcXWTqLjUktzbLdhF81UKlfv43btpID53AY54FTeI/Het+Kb2O41SWFlhm86CHyg6QthQQu/cdp2glCSucnHNc5RRyxTTtsNybudVrPxJ8Ta/oo0zU77zoGDCcuu4zkyeYC27IBU8KVC4X5elOtvib4otdDXSor/wD0dAiJuTIWJYzH5Wz7hQhskFTlgGPPNcnRS5I2tYfM73udJoHj7xB4a02aw0q8MVtLHIoRSU2O+3MoKEEyDYNpYnHOOpp2j/EHxBoniC51izuIvtF5Os92vkqi3BUk4bYFIUk5IUgHvmuZop8sW7tE9LG3L4y16bX4dbfUG/tOGHyY7rYvmBdpXO7GSwViA5yw454GLPiDx7rviaSA6pPHJHbyJLFE0YkVHVFQkb9xw20FlztJySK5uijlWmmxTk27s6rWfiT4m1/RRpmp33nQMGE5ddxnJk8wFt2QCp4UqFwvy9KfafE7xRY6Euk298ot0CJGDGCFjVGTy9n3GVg5LBlO4gEnNclRS9nC1rBzO9zpNA8feIPDWmzWGlXhitpY5FCKSmx325lBQgmQbBtLE45x1NO0f4g+INE8QXOsWdxF9ovJ1nu18lUW4KknDbApCknJCkA981zNFPli3donpY25fGWvTa/Drb6g39pww+THdbF8wLtK53YyWCsQHOWHHPAxZ8QePdd8TSQHVJ45I7eRJYomjEio6oqEjfuOG2gsudpOSRXN0Ucq002Kcm3dnVaz8SfE2v6KNM1O+86BgwnLruM5MnmAtuyAVPClQuF+XpT7T4neKLHQl0m3vlFugRIwYwQsaoyeXs+4ysHJYMp3EAk5rkqKXs4WtYOZ3udJoHj7xB4a02aw0q8MVtLHIoRSU2O+3MoKEEyDYNpYnHOOppul+Ote0jxDca1Z3Ma3l3Ksl0VhVBPhw5U7ACFYj5gpG7vmudop8qve2ouljoLzxz4gvPEMWtyX5XUIEeKCdUG6JG3cBiCTgOQpJLLxgjAp/iLx3rnihof7VnjkigdZIoim9UYIqEgvuIDbQWXO0tk4zXOUUKEVay2Btvc6vVviX4n1vRv7N1G/86F1kWcuu7z90gcbg2VBUjClQpUcDinWnxO8UWOhLpNvfKLdAiRgxghY1Rk8vZ9xlYOSwZTuIBJzXJUUvZwta2g+Zp3Oi8O+Otd8L2c1ppN2Y7aZZd0YJTDugTzMqQ25QAVJJCnkDk5XTvHviDTPEVxrdvdoL27kR7pxCqeeFYNtbYAQrFRuCkbu+a5yiq5Ve/UV3ax0F3451+88RQa5Le41C2Vkt5vLVmiUlsAFgScbiFLEkcYPAp/iLx5rvicQLqtwkkVuyPFGU3hXVAhYF9x+baCwztY8kVzlFJQirWWwXb1Or1b4l+J9b0b+zdRv/OhdZFnLru8/dIHG4NlQVIwpUKVHA4pdL+JvijR9FGmWF8I4EEawAIAIQpYkKo+Q79537lbdxnpXJ0UvZwty20DmZ0Xh/wAd694ZtJ7XSrvyrecSlolygDyIF8wFCp3KACuThTyByaSw8da/p3iO41y3u1W+u3Rrl1iVPPCsrFTsAIDFRu2kbuc5ya56inyq97BdtWOivfHfiC+8QQa1LegX1rvFtL5as0KsWO0MwLELuO3cSV4wRgUeJfHOueLI4otXuFkhhKNHHt3bGWMIWDNlhuCgsAcFucZrnaKFCKtZbD5ne51mo/E3xRquitpl9f8AmwyCVZty7vNVyp2lTlAFKDZtUFcnBGaNL+JvijR9FGmWF8I4EEawAIAIQpYkKo+Q79537lbdxnpXJ0UuSNrWFdnR+HfHmveF7ee30m5EUE/mF4wNmXdNm/KYbKjlecKeQKSx8d+INP8AEVxrkF4ovrpkNzIIlTzwrK21ioBAYqN2CN3Oc5Nc7RT5Ve9gu7WOgv8Axxr2o+ILbWri6Rr2zdmtZGiVzCCxYKCwJYKWO3cTt4xjAqTxD4917xPYQWWrXQlt4VjwjAuWdFK+YWckh2B+bBAY8kVzdFHJFJK2w+Z3udZqPxN8UaroraZfX/mwyCVZty7vNVyp2lTlAFKDZtUFcnBGaTSfiX4n0TRv7M0+/wDKgQRiDAx5ARy52qMKdxYh9wbcMA9K5SilyRtawrs6Tw/4+17w1Fcw6VcrFDcmRpIkTyxvdNm/KbTlQcqM4U8gVBbeNdetPEVzrkF9s1C7AW4mSNUMgypI+UDG7YNxGCecnk5wqKfKr3sF3ax0mp+Ptf1XxDbazc3Mf2uzleW1byVf7PuYttUuGJVSflDE7e2KTxD4917xPYQWWrXQlt4VjwhBcs6KV8wsxJDsD8xBAY8kVzlFLkiklbYfM73Otv8A4neKNT0NtKvL5ZLdxIkoMYIkRgoCFPuALsBXaoKkkg1yVFFNRS2Qru1goooqhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR16UAFFXLrR9TsVma9067tlt5BDMZoGTy3IyFbI4YjnB5xVOkmnsAUVYvdPvdNmSLUbOe0kdBIqTxMhZD0YAjkHsa09M8LXl74g/sfUbi10G4EZkZ9Zc2yKMZAJIyCQRjjmi6AxKKvaTot9rutQaTpEIuby4cpFGHVQ5AJ6sQOgPU1P4d8O3niXxPa6FZPDFd3UhjVp2IRSASckAnt2BouhtNGVRTpYzFM8bYJRipx7U2mDTTswoq3pOmzaxrNlplsyJNeTpBG0hIUM7BQTgE4yfSk1XTpdI1i9025ZGms7h7eRoySpZGKkjIBxkelAirRU9jZXGpahb2NjGZbm5lWGGMEDe7HAGTx1NaviTwynhq5ltJtc0y+vYJjDPbWfnM0TDOcs0aocEYOGPP40m0nYZh0UUUxBRXQ6R4Pm1vw/qGp2Oq6eX022a5ubN/OEyxg4yD5ew544Dd+1ZmmaLqGsretptv5wsbV7u4+dV2RKQGbkjOMjgZPtU8yu12GUaKKKoQUUUUAFFFanhzw9f+Ktet9I0lEa5uCcNI21EUDLMx7AAEn9MnigDLorTv9ItrS8t7e113TtQ85trS24mVIeQMsZY045zkZ6Gm69pH9hazNp/9oWGpeUF/wBJ0+fzYXyAflbAzjOD7g0rodndrsZ1FFFMQUUUUAFFWNPsLnVNStrCxj826upVhhj3BdzscAZOAOT3pt5aT6ffT2d2nl3FvK0UqZB2spwRkcHkdqAIaK1NW0L+ytP027/tTTb3+0IfN8mzuPMktunyyrgbG56c9DWXSTuAUUUUwCirWn6VqGrTSRaVYXN7JHGZXS2haQog6sQoOAMjn3pgsLw6eb8Ws5s1l8k3Plnyw+M7N3TdjnHWldDIKKKKYgoqxY6feapepZ6ZaT3l1JnZBbxGR2wMnCgEngE/hTDayx3ptLhfs8qyeW6zAp5bZwQ2emD19KOtg2VyKitHXtH/ALB1iXT/AO0bDUvLCn7Tp0/nQtkA8NgZxnB96zqSaauhtNbhRRRTEFFdD4f8IS+JLC+msNV09LixtpbuWzm84SmKMAlgRGU78DdmuepXV7Ds7XCiiimIKKKKACiiigAooooAKKvarouoaK1qup2/kG8tY7uD51bfE4yrcE4zjoefaqNABRRWr4d0IeItWi05NTs7Ced1jg+1iXErswUKDGj4OT1OB70AZVFWtV06XSNYvdNuWRprO4e3kaMkqWRipIyAcZHpVWkmmroewUUUUxBRXQ+F/B83izz4rDVdPgu4Y5Jvslx5wd0RdzMCsZT8CwPHSuepXV7B0uFFFFMAooooAKKKKACiiigAoq/qeiaho0dk+pW/krf2y3Vsd6t5kTZw3BOOh4ODUtjof23QdQ1T+1NNt/sJQfZLi42XFxuOP3SY+bHfkYpXVrjs7pdzLooopiCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuh8C6f/anjLT7VrSxvEklVWhvrjyUYFgOP3iFmGchQST6GueqewvrjTNStr+xk8q5tZVmhfaG2upyDg5B5HQ01oxSV1Y9w+Jj+X4G1uSTS9Fzd+Irh1YamWd1RAgmCic5kBbBQDCjrGK8IrS1HxDqerWUVpqFyJYYZ5bhFESLiSUgu2QATkgdenbFZtYUabhGz/rSxrUmpO/r+Z7b4h8FReLdH0/V7q4mjuz4ZsxpyRgYu7hIpJJEIx2SPtjll+lSrJFeftLXujXtjYXdjcNtmju7GGZiY7TjDupZeVB+UjNeYDx/4mUaKF1Rh/YQxp2IY/3AwB/d+bgAfNmn2vxE8SWetXGsQXVp/aVxKZZLt9Ntnl3Fdp2s0ZKgjjC4HXjk1LpzcntZqX47CTiopdVb/I2PgtqMtn8UtIt0W28u5n2u0ttG7jCNjY7KWQ5P8JGe+av/AA+1i81P42aHFewWUJgvZQBbafBbNnYwIYxopbp3ziuDk1/UH1mHVYnhtLyAq0UllbR2wQqcghY1Vc++Oa0X8d6+2vW+tJNZw6lbyvMlzBp1vEzO33mfbGN5OT97PU1coNu4lK0XHv8A8H/M6e6nsvEvw/8AF97Jo2m2T6ReWn2E2lssbxo7sjK8gG6TIAJLknPNebVoQa7qNtpWoabDcbbTUmje7j2KfMKMWU5xkYJPQis+qjHlv8vyS/MqpJSk2vP8z17SYo/DWs/DrTtF06zlm1Zbe/vLuayjuJpDJLjarOrGMIq8bMdz15qS60rTrSy8X+IpLjSbfUZfE89hHcavaPdRQRhmkO2MRSDex43MvABwQTzwGm/EDxNpNja2lhqXlx2ZP2ZzbxPJACQWVJGUuqkgZUHBGQRgmoLXxlrtpdajPHeJJ/akhlvYbi2imhnctv3GJ1KZ3cg7eO2Khwl+f4tP8lYSktPl+T1+/X9TurTU/C//AAtrwzLoFhpV+15LZC7eCK5gitbrzMO0CZj4PynDKR7dRWF4gQ+JPifc6Ro/hzT1vX1eZB5cs+bo+Y2RJulIAOCSV298YrmG8QX/APbttrERtre9tXSSFrWzhhRWQ5U+WihCc+o570yPW9Ri8Qf23DdPHqX2g3P2hAFIkLbi2Bx1PTGKqMLW8r/oKUrp2PTNR0qyvfAPi86jN4cvdQ0aaBoZNFsDbNbMZTGyM3kxiRCMgcv0znoa0h4e0pv2gr7T10izNhHpRl+zC2TykP2UHdtxgHcc59TXm9/8Q/E2o6Xe6bc30K2d+++6hgsoIVmfcG3tsQfMSBlupxyani+KHjCBVEWr7XWIQNL9lh8yWMKVCySbN0gAY4DE889QDWDpVHFq+rTX3qxpzQ2/rdP/ADNP4bf8i546/wCwE/8A6GtWvhZrV1Bpniu2jisWS38PXUyF7CB3ZgyHDMyFnXk/KxK+3Fcto/jfW9B06Sx0t7GKCWMxSh9MtpGmQnJV2eMs4z2Ynt6VU0zxPq2ja5Jq+lXKWl3KHV/KgjEbK/3lMW3ZtP8Ad246ccCtpQblJ91b8/8AMzjaP33/AC/yKupanPqt0Li6jtY3ChcWtpFbpgf7MaqueeuM1f8AB2k22u+NdH0u/k8u2u7yOKU5wSpYZAPqen41Q1LU59VuhcXUdrG4ULi1tIrdMD/ZjVVzz1xmq0UskEyTQSNHLGwZHRsMpHIII6GtI6ES1TSOs8Uautx4gv8AQl0nStNsIbv7LCsVkiS2wjfbuMw/eO2Ad29mBLE4zgjvIrHSY/jSPh+NB01tC2G1Je0U3JzF5hn+0Y8zdk54bbtwMCvMtX8aa5rsMseqXMErThRPMtnDHNOFxgSSqgdx8qnDE8qD1Aqc/EDxMbP7P/aQB+zC1+0i2iFz5I/5Z+ft83b2xu6cdKxcJOCj6389N/67mnNeV/6Wv9f0zuIX0/RfDvw/hs9H0e6k1S9nju7y4sY52uIlutgX51PBDfewGwAAQOKueCU07RPjfrujWejWnl2734hneSbzI41RgIxiQLtwOpUtyeemPKz4k1U22k25uv3WjOz2K+Wn7ks+8np83zDPzZqW38Xa3a+JbnX4L3bqd0ZDNP5SHd5gIf5SNozk9Bx2oqU3JSS68347FOafTrF/de4068qarFeaZo+l6eVTYYVgNzE2f4ity0oz/hXaeK9A02f9ocaJHp6x6dNe2kb2tlEEGxo4ywVVwFzkkkYxkmvP9N1OfSbo3Fqlq77SuLq0iuFx/uyKy5464zXXaL8QJb/4gaRq/jZ454Le6Wae4tLKGCckLtUl4lV2A+XjJ4GMdq0aaaa6X/Qyk/dZ0/im703SvDvi+2vYPChuZb0W+iDTbezkmji3nfkxqWQbMcvh93fNWV8P6W/7RVvpyaRaNp408SPai2UxA/Yt24pjH3iDnHX3rG1LxF4efT/Eb6zf6Drcl9G66dHpmh/ZpoZWYsszytDGQFwMjc5bPOec83bfE/xfZiH7NqwR4YVgE32WEyvGqlQjyFNzqATwxIzg9QDXPCM3F92vzVv+D8zoclGT7f8ABT/4B0Tz2mg/A/QNVs9G0qXU7u9uIHvLqxjncIGzjDgqT8oGWBwM4xmqlih1ibXvFej6XoPh7SA8UbPqkJu4reRsZSKPynBLHn/VnaOAQOvG3HiDU7rw9aaHPc7tOs5Xmgg8tRsdvvHcBuOfc1Po3irV9Bsrqz064i+yXhUz21zbRXEUhU5UlJFZcj1xmteR6vz/AA0/r+mY82iX9dT067+y6F8VPBE+jW+lKutQWE120FihhZzLtLwrJHmHIGflCHvwa4bxzr97P401SGWDTlW01SZk8vTLdGJWRgN7LGDIPUOSD3zWXrXi/XvEOp2uo6vqUk95ZoqQThVjaMKxYYKgcgnOetSat4y1jXLyO71Q2E9ykwnM39mWyvIw/vkRgyD1DZB7iiMGrX6X/Fq33FSkunl+Wv3nQ/ECO3l8I+C9QSzsra6vrOZ7l7S0jtxKwlwCVjVRwPauoNnpmm/F/T/AUOg6fdaK0cVtM0tmjXFx5kQdp/PwZAQWJG1goAwAK861XxzrmtaVHp2ovYSWsK7IUTS7WMwrnJCMsYKZPXaRmnW/j7xJa2UNtBqCqYLc2sNx9miNxFDz8izlfMVRkgANwOBxSUGo283+Ldvu/rZE39219bJX+7U7m/GmeF/BvhgaZpWk3s9zqt5bvfXVnFO00MdxtAO5SDkY+bGQBgEZNcZ8TNLs9G+Jet2GmQLb2sNx+7iXogKg4HtkniseTxBqc2l6dp0lzm00yR5LSPy1/dM7BmOcZOSB1JqPWNYvtf1e41TVp/tF5ctull2Ku44x0UADgdhRCnKMk2+/42t+T+8qUk72Xb9f819x3XwZ1GbSNS8UalabfPs/D1zPHuGRuVo2GfbIrrZ/DVhdeD7azhcR6Pr3iy1ubdhxtgni5T2Kncn1WvGtL1vUNFW9GmXHkC+tXs7j5FbfE+Ny8g4zgcjB96tN4t1x/DNt4fN+39mWk/2iCEIoMcmSdwcDd1YnrjmqqQ5pKS6W/O/+Qoy5U16/irI9A8QN4Uik8T6TqN34ehgto5ItJt9P06dLu3niO1FeYwLvDAEOXdgTyCOtXTZ6Zpvxf0/wFDoOn3WitHFbTNLZo1xceZEHafz8GQEFiRtYKAMACvN9T8a61rMUq6o1jdSTIEkuZNMtjcOAAATN5fmZwBzuz71Lb+PvElrZQ20GoKpgtzaw3H2aI3EUPPyLOV8xVGSAA3A4HFSqcuXXX9f6/rYcpXT/AKt/X9bnqvgjwtqfgm70+70bTr29uNa1ZIRfQW7Sx22mJMMszgbVaTAP+4M8ZrzjxTd6v4W8e68kunwQtdXssyrqWlwzFkMj7WTzkbCnJ5Xg++K5bT7+50vUra/sZPKurWVZoZNoba6nIODkHkd61bG3sfEN7c3mveIoNMuZrnzJnuLWVxKHJLsvlK3zA/wkKOetNQaacnf5elvy/UTkrWS/rU2fi9ZWmn/Eq+t9PtILSARQMIbeJY0BMKE4VQAMkk1i+CtJtNd8c6Npeovstbq8jjl5xuUtyucjBPT8atfETxFa+KfHeoarpyutpIUjh8wYZlRFQMR2ztz+Nc3FLJBMk0EjRyxsGR0bDKRyCCOhqqV1BXFV1bS/rQ9TszYeJdU8Z6LfaJpdlZ6ZYXNxYvb2SQy2jwHam6RQHfOfmDlsnB4rbsYNKbxt4G8N/wBgaR9i1XRIJb9msY2luGeFvm3kbkI25yhBJJJJrzDVPHfiLWbO6tr69i2XjK100NpDC9yV+75jogaTHX5ieeetRR+Mtei1rTdWjv8AF9pVultZy+TH+6jQFVXG3BwCeSCazVOXLZ+X5PX8fwLc1b3fP5bf18zpfhggj1rxYicKvh6/A+mFqr4OsrPxD4J8S6J9jt31e3iXUtPmEI85hGf30Yb7xBTkL0yCayNH8ca5oMMselyWMXnK6Su+mW0jyI5yys7xlip/uk4rZ8DeIbHRPFB8ZatqFsl3ZiQwaXaWhia5kMexQAiCKNPmJJzn5T8pzmqcXq32Xrda/mVKSbtHu38nZW+4i+JcFjpGqaf4csLS2ik0eyjivLiKIK9xcsA0hZhywGQBnpg1yenWc+oana2dnB9ouLiZIooc48xmIAXORjJOOopL28m1HULi9u33z3MrSyt/eZjkn8zTLe4mtLmO4tZXhmicPHJGxVkYHIII6EHvWlNNJc3zMZW2R68+hWl1oHjLT9Zl8M3N7pFobiGPRrIwy2UiNgoZfJXzF52kM7nI655rC8T3EHgqx8O2Gk6Rpc8d3pcOoXVzeWKXD3byj5lDOCyIAuAE2kcnOeaw7r4leKry1v7aXUIUi1JWW9WGxgi+0bupcogLNx9489eeTVa08c+ILLTbWxju4ZYLIsbT7TZwzvbE4J8t5ELR8gH5SMEZFYqnPr5frf8AT7ilJLbz+W3+T7bm/Gtv4Z+FOm63YabY3eo6vezxS3V5apcrapGRtjVJAyAtyckZxVjwXZ6ZqWi+LPFF7Ho9nd2YgW2W6tpJLS3aZirSGFUcHp8q7SoJ6AAY5HSvF2taNp9xYWdzG9lcyCWW1u7aK5iZx0bZKrKG9wM8D0pbPxfrtjq15qNvffv75GjuVkiR4pkIxsaJgUK44C7cDAwBir5Je95/8DT9Px3FdaW/rX+vutseneGbfwjrXjTQyI9I1a7/ALNvBq0FnZPDauyIfKdUeNArFepVQARkAd+fa9i1X4Y3fiWTS9Is9R03WUjtWg02FY3jkjOYShXbIFwGBcMw9e9VvAXjaCy8dQ6r4hexs4YbO4iVrbTIolLNGQoZIYwGycDJB/KuW1bxRq2t2cFnfTxLaW7F4ra1toraJWPVtkSqpb3IzWbhLnsuy/8ASm3+GnkhqWrb7v8A9JS/P8juPij4hvQnh63EGm+Xd+G7R3b+y7beCytnY/l7kHoFIA7Yqxo0OmeJPD+laV4MTQP7USxlW/0vVrACe9lC5LRXJUnJydqiRCu3PTOOFl8Y61caHBpF3NbXVpbwmCD7TYwSyQof4UlZC6j0wwxxjGKfZ+ONfsLeOO0uoY5IoTBHdCzhNyiFSu1bgp5owp2jDcDgYAq5U207d3+oKWqb/rYwCCpIIwRwQe1b3gX/AJKH4e/7Cdt/6NWsGtPQ/EN/4duvtOl/ZVn3KyyT2UM7RspyChkRtpz3XHb0rdOzuQ9TutI0iw1b40eK31S2W9j099Rvo7Ns7bmSN2KoQOSMnJA649M03SLSz8ceBr+51izsbC7sdUs4YL6ytI7UMk77HjZY1VW2gbgSCw55xXIzeNNdm8QQa4tzDb6nBI0q3NpZw27MzHLF/LRQ+ec7s5yQepqHVvFWrazYxWV7NClpFKZlt7S1itozIRguUiVQzYGNxBOKwjCSSv5fg7v71oXKSd7db/iv0ep0nxA1OLSfE2reGrDQNLs9Os2a0iQ2Smf5TxKZ8eaWPX723Bxgjr0XgnQTbaj4Y07xGvheG01iIMNOuLIy3lzFIWAk80RMY2IIK4kQDaOAc1wd/wCOvEOqWbW+oXsc5eAW73DWkP2h4x/CZ9nmEcYOW5HXNT6f8SPFWlxWaWWpIj2MYhtp3tIXmijBz5YlZC+z/ZzjHGMcUowkoWfz89/6/wCGQpNNtx07eX9f1uzpPhraR2HxW1qzg3eVb2eoRJuOTtVWAz+VeZ10Wl+PNf0a4nuNOms47i4eR5Z3022kkYv98b2jLbT/AHc49qxb++l1G8e6uEgSR8ZW3t44EGBjhI1Cj8BTpwmmnLsl81f/ADDTXzbf4JfodF8NNCsfEnxA0/TdVjM1q4kkeBWKmbZGzhARyMlfUfWnRat/wmHiSx0nUNP0rTre71GJA1jYRWz26M+0qGUAsMN/HuPyjnrnmrK+utNvobzT7iS2uYHDxSxNtZGHcGtPWPFur69G6ajLbYlm8+U29lBbmaTn5nMaKXPzNy2ep9a0t7yfT/g7/wBdvMSejX9f1/XRHo9hDpetfEPxH4Pu9C02z0a0guo4JI7NI57PyAdsxnx5jE7ed7EHd0xxVq1XS7XxB8OtGj8P6O0Or6bbNqEk1jHI9xv3L1ZcqRydy4JJGScCvNrzx94kvrO4t7nUEP2qJYbmdLWJJ7hFAAWSZVEjjAAO5jnHOarf8Jdrg1HSb77b/pOjxJDYv5SfuUQkqMbcNjJ+9msVSd1fbS/nvr87r7ipSTUrbu9vLb/J/edxdCx8MfDTUruw0fTZr1fFE9jDc3lpHcNFCsYbaBICG+7j5gcZJHJzW/qfhXQbDxJ4z1aGDTLI6fZWUlrHeW7y2lvJcqN8hiVHzjJ2rtKgsOMDjyK78R6rfaVJpt1deZaS3rX7x+WgzOw2s+QM9O2ce1Xf+E68RnXJtXbUS13cQC2n3QxmOaIJsCPEV2ONoHBU+vXmhU5W1etv0S/G3433L543emn/AAb/AJf5bHcWmleE/GPi7wdYLc6dcXszSx6uNJtZbWGcIN0eFMcYVmAKkqBzzxxXHaz4unuL+dBoWi2Kw3IeCKPS4Va32kjYTt/eA9xJvBIzxWXeeIdQvL22u82trcWrboZLCzhtCrA5DfuVXJBHBPIqzrHjLWtehmi1Ke3IuJRLO0FlBA87jODI0aKX6k/MTzz1qlBq39df69CHJNM7X4leI71dI8KRrBphS78PQtITpVsSpJYHYxjzGPQIQB2xWb4aaLUvhT4vF7Y6fI+mw2ptJxYwrNGXmwx80KHORxyTxXOf8JjrTaDDo801tc2VujxwLdWMEzwq33gkjoXT8CMdqm07x3rulaVJpti2nJaSoqTRtpNq/nBTlfMLRkvg85Yml7NqLS7/AK3KU1zRk+lvwt+ZuKtv4Z+FOj6xp9hZXWo6tezrcXV5aR3IgSLAWJVkDKpOdxONx9cV2Y0XQdN1TXtVTw/YPv8AC0OrjTriLfFa3LkEqqnlRnnaMcHHA4rymw8Yazpttc2ttLbNa3M/2iS1nsYJoRJyNyxuhVDg4+UDjA6AUh8Ya813q1zJqMkk+sRGG+kkVWMyHHy8j5RwANuMAADiicJSTtvr+Vrff+XmRdaf11v+Wh2V+dD/AOEd8B+JfEGlQMtxcXSakmn20duLmOOUbfkTauQDjIxkdTVfx3p5vdDm1vRZfD+o6GuoMkdzpmnizntQwO2OWMIh2nsTv+794ZOeSh8V61b2ul20F80cWkySSWSqijymc5fnGWB7hsjHHQ0up+K9X1bTU0+5mt4rJZTN9ms7OG1jaTGNzLEihjgYBOcdqfJK/wA/zZXMr38v87fmijJpeoRaXFqUtjcpYTOY4rpoWEUjDOVD4wTweAexqrWvceKtauvCtr4bnvmfSLSUzQ22xQEc7iTuA3H7zcE45rIrVX1uRoFFFFMQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUdelFdD4F0/+1PGWn2rWljeJJKqtDfXHkowLAcfvELMM5Cgkn0NNWvqJuyuZV1o+p2KzNe6dd2y28ghmM0DJ5bkZCtkcMRzg84qnXu/xMfy/A2tySaXoubvxFcOrDUyzuqIEEwUTnMgLYKAYUdYxXhFY0qjmrvy/JGs4cv4/mblv4I8V3dtHcWvhjWZ4JUDxyx6fKyupGQQQuCCO9ZV7Y3em3klpqNrNaXMRxJDPGUdOM8qeRwRXa+Cf+Sa+P/8Arztf/R4pbGO18P8Awjh1+zsrG71S/wBUe0ee8tUuVto0QMECSBkDMeclc4PFDm038vxFy+6n3b/BXOCortPiVp1haX2iX+nWkNi2r6RBf3NrACsccr7t21T91TgEKOB2rB8LaTea74q0/TtMtYbu5mmG2C4JEbgfMd5BB24Bzg5xnFXGV1f+tCZLlMmivVdU0+wv/hh4juLu48PahqWkXlv5V1otibbyxI5RkfEMauvBII3d+emaPj64t/Bmtp4Z0vQ9Laxt7KMST3Vkkk160kYLS+aR5i8scbGXGPwrP2l3a2v/AAE/1KcGv687HnFFegagYPCHw+8M3Wk2Gn3F3rSTXF1e3lnHdH925QRIsoZUAz8xAyTjnjFWfDWn6bH8O9T8Tl9GsL+41YWUT6laSXNvax7PMIjj8uX5j93Lg4VTg5PNuWjfbT53t+ZMVe3n/lc82or2XTT4QuvEetappdhpOqrbeFXu7m2W0kS1W9R03GNHVSqnjoBwSO5rA1e6j/4VzoPitdP0q21d724tG2abAIriIDIYwlPLJUnbuC56ZOal1Lbr+rtfoVy+f9Wv+X4nEa1omoeHdVk03WLf7PdxqrNHvV8BlDDlSR0I71Qr034065dnx3qGneVYfZ3gtzvGnQebzEjcTbPM6/7XTjpxXmVOnJyimwnFRdkFFesWM1lpXhP4dLBomkyz6tdSre3N1YRTvNGtzt2Hep7N94fNwACBS+JtI0vwXoOt6nounWc12/iOfTIjd263KWkCDcFVJNy7jgfMwJ25xjrRKpyyafdr7nb9Q5bq/p+Kb/Q8mor3Gy0bw/8A8JDFq0+hae4vfBsmq3Gm+ViJZhj5lX/lmGxxtxjnGK4/xBHa6x8J9G12ey0+z1B9VmtJLi0tEt1aPaGG5IlAOPXGcetR7XW1v6vb8wcbJPv/AJX/AC/E8+robvwhLb+Dl8SW2q6ffWX2lbR0g84SRylN+0h41BwO4JH1qlqekWVhbCW18Q6bqTltphtY7lWA9f3kKDH4556V1EH/ACb3d/8AYyJ/6T1c5WV13X5jhG8rPs/ybODor0rUJbbwbpHg6PStF07UDqdol9ey3ljHctdOz4MIZ1bYFA2/Jg5OetamseF9E8Iz+O9S0uyt72TR7m3t7GC7Xz47QTj5nZGyHK5KrvBAIyQTSdRLX1/Bpfm0Ty7fL8U3+SPIafCiyzxxvKkKuwUyOCVQE9TgE4HXgE+1dZ4bi1HxZ4oa4tbHQ4pbOyknuZrm2WK1iRAf3zxINhK7lGAhBIBKn5idnxrpunT/AAx0XXYpNKudQN/LZy3ek2htYpkC7xujMcY3DOMhRkdz2cpqO/8AV3YErv8Artc5XxH4TuPDllpd4+oWV/a6pE8ttLaGTBVW2nIkRCOfasGu/wDHn/JPPAH/AF4XH/o6uAopttO/Rtfc2id0n3S/FBRXoAWDwt8KdH1ew0yxu9Q1q6nWa9vbSO5FusTALGiSBkBPLE4z78Utk9nafDnVPGEGk6c2qXWrrYpG9os1vZxmPzGZIn3KCxGPmBAHC4o59/L/AIC/UtRvbz/4P+R59RXuWl6N4fuL3TdcvNCsGkv/AArd3t3poiCRGSLAWVUA/d7wDyuMYJHqcfRYrHxNoXhbV9R0jS47pvF0dhILWyjhjlgZUfY6IArDJxkgnHfk0RnzS5bf1fl/P8BcvuqXf/JP8meS0V6xqa6drGk/EWE6LplpFoc0f9nfZbRInhxOYzmRQGfcOSGJGegGBWrfWPhLwp4i07RdVufDyaGthGL2O406aW8uDJHuMyzLAxU5b5QsgAx26VCrXW39WuU6dtfX8Lf5o8Sq/pOiahrs1xFpVv5721u91KN6rtiQZZvmIzgdhzXa3MVn4S+Gmm6po9jZahc6xe3KNqF9ZJcCGOJtqIqSgqpYZYnbnt2q78K9fuJ/EHiFILLTYBPpN7cJDFYRNiTyx8qllLbOP9Xnb14pup7spJbXCMPfjF9Wl+NjzCKPzZkj3Km9gu5zhVz3J9Kv69o/9g6xLp/9o2GpeWFP2nTp/OhbIB4bAzjOD71K/iW+k1OO/aDSxNGhRVXSbVYiDnrEI9jHnqVJ967zxR4c0m9/aEtNDNvb2OnXM1okkVvGsSYaNCwAXABYkjjuau75kidFGUuyPLaK9VszYeJdU8Z6LfaJpdlZ6ZYXNxYvb2SQy2jwHam6RQHfOfmDlsnB4roVttJf4meFvCy+H9HXTtR0iOS9P2GMyzu9ux3CQjchG0EFCpzknOay9srJ23/yb/QfLZ2fn+Fv8zwmivRPB76FL4en0m2u9J03xLJqKiO51uwW5gnhxtEYZkdYiDkklRn5fm9OX1rQNWj8a3ujf2Vt1MXDr9h09GkAP3sRgZJXHI68Vrzrm5f66f5icbXv0/4P+Rh0U+aGW2nkguI3iljYo8bqVZGBwQQehB7Vp+FIYrnxnosFxGksUmoQI8bqGV1Miggg9QR2qyXoZNFerw6Jp7a/8Uh/ZlqYdPtrg2o+zrttmEuF2cYQ4BxjFbNjBpTeNvA3hv8AsDSPsWq6JBLfs1jG0twzwt828jchG3OUIJJJJNYe1urpdvxTf6Gjhyykn0bX3W/zPD6K9DkhtfCnwystX07TbK7v9V1C4gku721S5FqkRG2NUkDIGbk7iM4z+CaY1pB8PNc8YRaVp8mqSalFZxxtarLBZoyb2kWJ9yAsRgZGB0XHSq9orN2/p2/zB02pcr8/wvf8mee0V7jo+maLJpNv4putA05ry48LXt3PZPbKIGlt5EVJhHjam8DJ2gDrjqc9hD4b8O3XiS8s38OaQsVs2kzLtsYxueZ2Emfl+6QANv3eM4yTSlV5Xa39Xt+hDVoOXZX/AAT/AFPl6ivou10fw/qem28L+G9JhOoafq5aWO0QPGLeYpFtOOGAfl/vEquScVz93p/hXwpqmhaVqd14dTSH06KTUUudOmlu7oyod0iSrCxTrlQsi4xzUqum+W39a/5MuUOV79/wt/mjxSr+i6HqPiHUfsOj2/2i58t5Nm9U+VRljliBwBXoV/c6X4a+Geg3mjaTpd7cXeo3kS399YpMzwJKMAq64JI28kZUZAxk102h+T4d/aE1rQtItLK3smjnkiiNpE7qxtt+1HZS4XOfkB247USqvkckukn9yT/X8xODVvNr87foeEUVe1TWLnWJI3u4rKMxghfsljDbA59REig/jmq9ndyWF5HcwLC0kZyongSZD9UcFT+INbq9tSCxqui6horWq6nb+Qby1ju4PnVt8TjKtwTjOOh59qn1/wAO3fh2TT1vZIZDf2MV/F5LE7Y5ASobIHzcc4yPeu5+KPiG9CeHrcQab5d34btHdv7Ltt4LK2dj+XuQegUgDtiurW5tdR8aeAPDV9pGm3FnfeH7YXUs9qkk0itC4AWRgWj24yNhU5JJJqJSkle3Vr8/8i0l17X/ACPGtA0L+37ya3/tTTdM8mBpvM1G48lHxj5FODljngexrLr0X4WLBc+JdQ0W9sbC8shZ3cwFzYwyyB1jO0iRlLjGAcAgZ7Vj/D6+8O2WoX48SeTFJNaPHY3dzZ/a4bWbHDvFzu9B8rYJBxS5/efon+f+QmrXXVO35f5nJUqAM6qWCAnBY5wPfiuo8eaRqGm6lZT6hHpLR3loksF3o6BLe6Xn5woChWH3SAq/d6ZJJ5atIu6uJo39e8JTaHommauup2Oo2OptKsEtp5o5jIDZEkaEcn0qpZ6H9s8PX+q/2ppsH2NlX7HPcbbifccZjTHzAZ554rqPE3/JFvA//Xe//wDRq0uhvFqXwf8AFpvLKweXTfsQtbhbGFJo98xDfvVUO2QMck8VmpPlb7P9bFuKTi/L/M4KivR7a4tdE+CNjqltpGlzancavLb/AGy7so52SMIGwA4KnpjkHAJxgnNdRqfhTQdO8VeONThh02y/s22tGtI72BpbS3e4Ub5DEqPnHO1SpUFhxgDA6iTa7f8AA/zFCPOrr+tbHiFFdl45uPD93peiT6Xc6bPrCxyR6mdLs5LeB8EeW4Ro0AYjOdqgZFVPH16L/wAQQyr4UXwti0jX7EsZTf1/e4Kr971x26mmpN20E1Y5iiiitCQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKnsL640zUra/sZPKubWVZoX2htrqcg4OQeR0NQUUAaWo+IdT1ayitNQuRLDDPLcIoiRcSSkF2yACckDr07YrNrQttC1G70O71i3t99hZyJFPNvUbGf7owTk59hTdZ0a/8PaxPperwfZ7y3IEsW9X2kgEcqSDwR0NSuVe6v62/wA196HdvUWx1vUNO03UNPsrjy7XUkRLqPYp8xVbcoyRkYPPGKsaR4q1fRLG4sbGeJrO5ZXltrq1iuYmYdG2Sqyg+4GayKKdkwuy5q2r3+u6pNqOrXL3V3McvI/5AADgADgAYAHApNL1S90TVbfUtKuXtby2cPFKnVT/ACI7EHgjg1UooSSVkDbe50WoePvEeqaRdaXdXsQsLtlea2gs4YUdg27dhEGGJ6sOTgZJwKavjrxCunQWZvIpEtoDbQTS2kLzwxHI2JMyGRRhiBhhgHAxWdb6HqN1oV3rMFvusLKRI55t6jYz/dG0nJzjsKoVPLCzjb+rf5fgPme9zc07xjremaQNLguIJrBZfNS2vbOG6jjfn5lWVGCnk9MZzTNP8W63pr3xgvBKmoNuu4ruFLiKdt27c0cispbIzuxkc881FovhvVfEC3T6Zbo0NmgkuJ5p44IoQTgbpJGVQSegJyecdKpXtnLYXklrO0LyRnDNBOkyHjPDoSp/Amn7t7dRa28jtPB3jSGwvvEV9qzWNvcXWhzWlqkemxLFJKWQqpiSPYc4OSy4PeuX1nxFqmvm3GqXCvHaoY7eGKFIYoVJyQsaAKuT1wOe9ZlPgha5uI4YygeRgimSRUUEnHLMQFHuSAKOVXTt/Wv+YXdv6/robOo+Mda1fTY7LVJra7SKFII5ZbGBp1jX7qibZ5mB/vetYda2ueGNV8OLaPqsMKR3sZlt5IbqKdJVBwSGjZh196oXFheWtvb3F1aTww3SloJJIyqygHBKk8MAeOKE47oNdi6fEmqm20m3N1+60Z2exXy0/cln3k9Pm+YZ+bNXIvHPiCK51KY3kU/9qS+deRXNpDNFNJnO4xuhQHPcAVz9bHh/wrqvim4NvokdtPcZwsEl7DDI5wT8qu6luAegOKJKO7C72JD408Qtq17qb6lI93fWz2k8jorZhbrGoIwi8cBQMdsVSk1zUZfD8OhyXGdOgna5jg2L8shGC27G7p2ziqkVvLNdpbRrmZ3EarkcsTjGenWruvaDqXhnWZtK1u2+y3sIUyReYr7cgEcqSOhHelaO39af5D95tp9P10/4BnV0q/EHX10k6Yp0sWJcSG3/ALGs9hfG3eR5X3scbuvvXNVPNY3dvaW91cWs0VvdBjBM8ZVJdpw20nhsHg46VTSa1Em1qjY0vxvr+j2FtZ2d3CYbSUzWouLOGdrZyQSY2kRjHyAflI5561X0vxXrejXl5dWN+/mXyst2J1WdLkNnPmJIGV85P3geprIoosguzdg8aa7a6x/adrdxwT/Z2tfLitYkgMLZ3R+SF8vaSSSNuCTnrzUmo+OvEGrWdnZ391BLaWM4nt7UWUCwxsBjiMIF2/7ONpycjk1z1FLlT3QXZ0Oq+Odc1rSo9O1F7CS1hXZCiaXaxmFc5IRljBTJ67SM1z1FX9F0PUfEOo/YdHt/tFz5bybN6p8qjLHLEDgCi0YpvYLt6FnSvFmsaNps2nWc8L2M0ome1u7SK5i8wDAcJKrANg4yACRj0p9r4x1y1vNQuEvElbUiDeR3NvHPFMQ25cxOpT5T04+XoMCseCGS5uI4IV3SSuERc4yScAVZ1bSb3QtWuNM1WHyLy2fZLHvVtremVJB/A0Plvru/+B/wPwC727f1/maTeNvEL6tcak2osbq4tGsXbyk2iBhgxqm3ai47KBjtVew8U6xpljaWdjeeVb2d+uowJ5SHZcAAB8kZPAHB49qyaKaSWwXdrGqPE2rrHq6C7+XWmDX48pP3x37/AE+X5uflxVqPxvri6fbWc0lleQ2sfkwG+023uniTJIQPLGzBRngZwO1YFFLlja1h8z7mxpXizWNG02bTrOeF7GaUTPa3dpFcxeYBgOElVgGwcZABIx6U208U61Y+JT4gtNQkj1QuXNwAOSeCCuNu3HG3GMcYrJq5p2mTajMVj+VF+85HAp2V7kSklH3ti23ie/bUlvjb6V5yxmMKNItRHjOcmPy9hP8AtEZ96m1vxprniK5jutVuLd7qN1kW6hsoIJgyjC/vI0VjgYwCcDA9BVxfC9oFG+aYnuQQP6Uv/CMWX/PWf/vpf8KXLHsc/wBcp9ytqnjvxFrNndW19exbLxla6aG0hhe5K/d8x0QNJjr8xPPPWox418QL4gstbGof8TGwhWC2m8mP92iqVA27cHgkZIJq7/wjFl/z1n/76X/Cj/hGLL/nrP8A99L/AIUckdrB9cpvqUNM8YazpEMcVpLaukUxni+1WMFwYXOCWQyIxTJAPy45Gav+EfFMeleOI/E+vXupT3du5nXyArvdSYI2PI7fKp6EgMcZAHej/hGLL/nrP/30v+FH/CMWX/PWf/vpf8KOVboX1ym9GYuv6vJr/iLUNXnjWKS+uHnZFPClmJwPzqjFLJBMk0EjRyxsGR0bDKRyCCOhrqP+EYsv+es//fS/4VBc+F08sm0mbcOiyYOfxFOKUVZFPGU5yu3uTXnxL8WX9reW1xqa+TfoyXax2kMf2jdgEvtQbmwoG4/MOcHk1Sj8Za9FrWm6tHf4vtKt0trOXyY/3UaAqq424OATyQTWLJG8UjRyKVdTgg9qbSUIrZHTzNo2tM8X61pFjc2VpcxPZ3Uglmtbq1iuImcfxbJFZQ3uADwPQU608Za7Z3l/cxXiu2ogC7int45oZgDlQYnUp8uPl+X5RwMCsOijlj2Dmbd2bsnjXxBLeXV0+ofvLuxOnSAQxhBbEAeUiBdsa8dFAxz6mr8fxQ8YRXs13Hq+J5hAJH+zQ8+QSYuNmPlJP175rk6KOVdg30Olg+IXii2WBYNT2iCK4ij/ANHiO1Z23Sjledx59u2Kii8ca5HptrYSy2d5b2iGO3F9p1vdNEn91WljZgvtnArn6KXJHt/X9MOZ9zQudd1G70az0q4uN1lYySSW8QjUeWzkFjkDJyQOp47VZk8X67J4tHic6i66yJFk+1IiochQv3QAuMDBGMEZznJrGoqrIG29y/q2tXWtSpJex2aMgODa2MNtnPqIkXcfc5qhRRQkkrIG23dm5L4x1q40ODSLua2urS3hMEH2mxglkhQ/wpKyF1HphhjjGMUR+Mtei1rTdWjv8X2lW6W1nL5Mf7qNAVVcbcHAJ5IJrDopcq7Bdm/onjbW/Du86RLZwySb90z6dbyyENww3vGW2n0zj2qGDxXqltfXN1AbJDdqqTwf2fb/AGdwuNuYNnl5GMg7c9fU1jUUcsd7BdmhrOvajr91HPqtx5rQxLDEiRrHHFGvRURAFUewAqjFI0MySoFLIwYB0DKSPUHII9jxTaKaSWwNt7nR33jzXdS0hdLuzprWUYcRQppFogh3/eKFYgUJ65XBpLDx5rmm6S+mWZ01LOVUWWJtItH84Icr5haIlyDzlsnPNc7RS5Y7WC7NK58Q6nd6KmkTTr9gjuWukgSFEVZWGCRgAgY7dB2FXj468Rtr1xrDaiWvLqHyLgtDGY549mzY8RXYw2gcFT69ea5+ijliugXf9feX9U1m61eSN7qOyjMYIX7JYw2wOfURIoP45qXxB4l1fxVqCX2v3jXlzHCsCyMirhFzgYUAdz+dZdFHKuwXYUUUVQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK6LwF4dt/Ffjew0e9lkhtpy7SvFjftSNnIXIIyduOfWudrR0DXb3w1r1prGluq3Vq+5N67lYYwVI7ggkH60neztuB6FBqNhqPwZ8Vtpei2ukwLqVptSCWaRmUscbzI7ZIHdQo9q6PxTpvh7xZ8aNb8N3OkCG6ktWcasJ5TIk6wq6naG8sR7RtIK5PXcCQK80vviDe3fhm78P2ulaVpumXUqTvDZwuNsisW3Bmdjk8DBJACgKF5za1D4o6pe3mpX9vpmmafqmpw+RdajarN5zJgAhd8jKmQoBKqD71zOE9bedte8YpfimaKSVl/W7f5Hdx+DvBlv4Ne8m8Pme8tfDtpq0kjXkyiWWQldpAbhSVJOMHngrVHU/B3hLTfF/izSrO30+TU7V4P7K03Vb6SCB0ZEZwJN6lny2ArSDrnnFcc/xN1l9Jn0821j5U+lQaSzeW+4RRFirD5/vHccnp7CoNU8eS67rV/qeuaBo1/LeyJIyyRzIImVAnytHIr4IAypYjPIAq3CfM3fTX81b8BXXKu//AAP8zM8VabNpHia8srnSJNGljcBrF5TJ5RwM7WP3lJ5U5PBHLdTb8BeHbfxX43sNHvZZIbacu0rxY37UjZyFyCMnbjn1qO+8ZapqPjG38SXQt2u7aWKSGER4hjWMjZGFz90YA659881auviDrNz8RP8AhM1W1g1PzFfZFEfKOECFSpJJBXg855PNaLm5bdbP7+gpct3b+u51cF9Y6r8GfFY0nRbTSIf7StFRIppXLAsdu9pXYZA7jaOvFaV74A8NaZ4kl8M6hFpNrZxWux9duNdiS7S42bw5gMwGzJCbDHnHO7vXC3/xBvbvwxd+HrXStK03TLuVJ3hs4XG2RWLFgzOxycgYJIAVQoXnMepeN21vbNrugaTqN+IRC2oSfaI5pMDCs3lyqjMBgZK84Gc1jyT95rr/APIpfhZji0mv663Ot8N3Ogr8D/EnmabqbRC6s1ulTUY1Mr5PKHyDsXPO0hj7965rw3o5v7fVNSsfDNvfWEMqIk2saoIILYEn5WkDwh5D8vQjHPy8jGPZ+Jbyy8J6j4fijgNpqM0U0rsp8xTHnG05xjnnINW9F8Z3OkeH59Dn03T9V02a5W7+z3ySYjlUY3KY3Q8jAIJI46dc3yyUptdWvyV/yZMX7qT8/wA3Y7vVPAfh6117WxBZYt/+ESOsW0AuzKttOSoG2RWIkUc4JLA578Vx+s6Jp9p8LfDOr29vsvr65u0uJd7HeqMoUYJwMZPQCpZfidrE2trqM1nprA6V/ZM1otuUgmt8H5SqsCpzg/IVxgYwOKq6x47udb0/SdOutI0uPTtJkdrezgjkjQhguVYh9xBK5zu3EkksaOWV1/XV/pY0Tinr5/l/mbXjuRYvCHw+keJJlTTGYxuSFcCY8HBBwenBB961PHGtWEfgHwS7+GtLlWexnMaPLdYt/wB7jCYmBPr8xb8uK5HXvG58QaLZ6bceH9JtksIfJtJbdrnfAm7cQN0zA5P94HrUMXjGRvDNnoep6RpuqW1g0ps5LkTLJAJCCwBikTI3DPzA8n04qfZtr0k38nzfjr+ZEbRtr9lL7rf5HO13Hwa/5K9oX/XSX/0S9YyeDNUdFYXWiAMMjOvWIP5Gbirmia5dfDvXI7hNL0W/1KE+ZDdG7a5EYZSpAME3lngng5Iz9K0m04uK3FZmHbXUNnrDy3On2+oR72BguWkVDk9cxurcfWum8daFoeifF640hEfT9FjntxJ5TNI0UbRxs5BbcSfmY9/6VhNrlk2sG9bw3pZjKbTZ+ZdeVuznfnzt+7t97HtV7xH42l8Ta6us3Wi6VBqHmpLJLEkrCbYAoV0kkZCuFHAUZ701e8dP60/4JU2pOTXU6Hxp4dtNPs7vUtF8NaXcaHBfIltq2mapJcIydfLuFMjFSQVBwI8N0JyKt+KtbsE+GXgmRvDGlSJNFe7Imlu9sGJ8HZicE56ncW56YHFchd+MpZPD95o2maRpukWl9Ij3YsxMzT7DlATLI+ADzhcUW/jOUeGLTQtT0fTdVtLGSR7R7oTLJBv5ZQ0UiZBPODnn8Kz5Xy27O+/lb9f6uPmV/wCu52GneDtK0rwv4avr/TNK1OXV83F2+o62ln5EG/aFiXzoyW28liGAPGKQeGPCei6B4y1AwR+I00m+hh06cXbCORZAcbzEwDAZGduCSvBXNcjb+M5v+EftNH1fSNN1m1sWY2jXomWSANyUDxSISuecHNV08VXMPh3VdDtbO0gsdUuI55EQOTEUJKqhZicc/wAW4+9KUajvr1/C6/JXRCsrf10f6ml8QNF07S5dCu9JthZx6tpEF7JbK7OkUjZDBC5LbeM4JJGTzXMWMDXWoW9vHbzXLSyqggg/1kpJxtXg8noODz2NdDcz6v44ttPVjpMC6PZR2EXnX8NqXRckEiaQbjyclePpUdtp2teEL23162u9JE1jKssfkataXDbs4H7tJGZhzzgdK1g7aSf9XHPVXiun421/E6/UfBlnL4M8TXF5oOm6JqOjPC8I0/VxduQ0mxo5086TaRkHOE5HTqK6Dwxp+keFfi5P4X03SonmstNmWbVJpZTPLIYC7EKHEar8wUDYTgdc155efEe7udJ1mwtdD0awj1p/MvZLaKXzHbeHyGeRsDI+6PlGTgd6uQfF3WrfUW1KPTNI/tOa3FtdXxt3826jCFMP8+AehJQKSVXOQMVzyhUlTce6fXysv1LvDS3R/hdP/Ms2OmaT4Y0PwjfXGkwarqOuTmYyXU0qpbRpKEVUWN0yx6ksSOAMV0viXS9CfXvibrmu6UdSm0q8tfssf2h4lzIxUhtpGV+7nvgcEZzXn+k/EDUNK0vTbP8As/Tb1tJlkl065u4naS0ZyCdoDBW+YbhvVsHkdqTUfiBqupxeJEuLezUeI5YZbvYjDYYm3Lsy3Az1zn8K0cJOV/X8ZRf5JoiFor7vwv8A5/I6Dw3ovhTxprkUtjpklhHpuky3up2BuvLguJIyNqxyyOSiNuG4seADgjrUOs6F4b/4R3TL+8Gl6NejU1tr210nVlvQ9qwyZ1XzZWUryMZIPpzXIeHfEV/4Y1YX+mmJmKGKaGeMPHPE33o3U9VI4PQ+hB5p15rdrO9vJY+H9L02SGQSboPPlD4/hZZpZFI9sc9+KpxfMrPT/g/13Gmra/1odj468N2Vrpd9f+HPD+ny6HFcxpba1pmpvcFQRnbcIzttJyP4Y8NgZOQDYt/C+lX/AIW0+Twpolj4jkOmPNqe3Unj1G2mGdxWHeBsUlduI33YOeoJ5O58ZStoV9pOlaRpukW2otGbw2fnM0wQllUmWR9oBOflxn6cVLpPjqfQ2iudL0TSYNUhgMEepLFJ5qgrs3bPM8rdt43bOepySTUckuRr+tuuvfsPmXNf+v6+8saF4G/tjRYL77J4rk83d82n+HftMJwxHyyecu7pzwMHI7V2vw38N2kHje30y6tbqRIvMlNtqVn9nlkYRllV4tzY7HGTkY9a8arofCXim48NanFcwSGNopPMjkAzsPQ8dwR1FatSd7Pe/wAv+GOWvHmgrK9mn6+R7hctLqXhHxFZeINUbUtStEW9LZDx2UhcDykf1IOCF+UdBk5rzGtK+8dQX2mz2dpHpem291N51ytoWUzMOQG3uxCg8hRgA9qbceN/tPhG08OyT6eLS1mMyOpHmFju6nOMfMe1RCMo623OCraemul+n4Hogkm8M6V4ant79tO0v7LHcyx2+DNqM7nLps/iAG0ZbhQR1OBXF+OtPttL8c6paWKCOBJtyIo4TcobaPQAnFVrHx+lpZ2ME6aTfnTmLWct0xLQ5OcDa4DAHkBgcUzRfH02ieJJNcivLK6vZQ/mNcsGDFup4IwfpSUZKTl6/O70/r7gnJSgo27fLSz/AM/PqdH8PLKaW012/wBOWP8AtK0tkFrJKVCwb2w0mTwpVQee3NTeKzbaj8PrC/a+k1S/s742UmoSDBmBQuVBPzMqnABbnk8DOK43S/GC6Tf3NzDcWMqXcbxXFvKw8uVG6qQCCOeRggjFLqvi+LVLO1slksLKytcmK1tXwm49XJZmZmPTJJ4FDhJyv6f1/XcFJKny27/1/XYgtIlnvIYnOFkkVSfQE4r2YQfZ/HraFqV1s0m6U2dnokOChiC5Mrr0TkEhvvk+i815L4h8cf8ACSmy+3T6fH9igEEfkELlR3PJ5+mB6Cpbv4pNBvuxFp76q1v9n/tGJWNwVxjOd2wNt+XdtzjvRUjKaXz/AOB/XS7sOh7k9L9Nbff/AFtoef8AiuFINdkWPn5eT64JH8gKxqmvLp7y6eeTqx6eg9KhrZHpRVo2CiiimUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHQ+LfEeneIn046X4ds9DFparBKLU5+0MP42wBz9cn1J4xz1FFJJLYd7nQ6B4j07SPD+t6ffeHbTU7jUoRHb3kxG+yOGG5MqeeQeCvTkmueooosr3F0sWtLu4rDWLO8ubWO8ht50lktpPuzKrAlD14IGOnervinWLPX/Et3qWm6RBo1tOVKWVuRsiwoBxgAckZ4A61kUUWV7juFFFFMQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAT31t9i1C4td+/yJWj3YxuwSM4/CoKKKS2AKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB/9k=)

Une fois ouvert il faut s’assurer que le port utilisé par le serveur est ouvert.

*$ sudo ufw allow 7687*

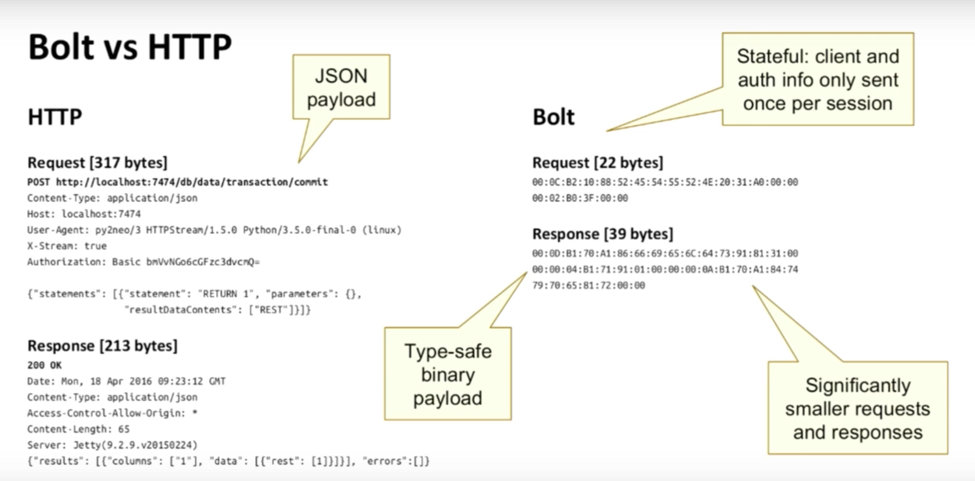
*$ sudo ufw status*

To Action From

-- ------ ----

7687/tcp ALLOW Anywhere

Neo4j peut être utilisé avec le protocole http ou bolt, après quelques recherches il apparait que bolt permet des meilleures performances car les requêtes sont plus courtes.



1. La base est-elle distribuée ? Si oui, comment paramétrer les stand-alone, clusters ? Shording + replication ?