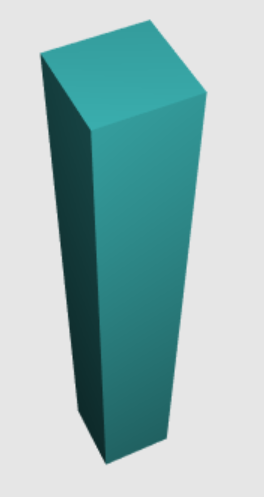
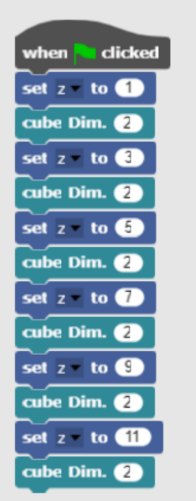
Codiere dein Kunstwerk!

**1.) Modellierung:**   
a.) Was bedeutet Modellierung? ***Erstellung eines vereinfachtes Abbilds der Wirklichkeit.***  
b.) Was kann passieren, wenn wir ohne Modellbildung mit dem Codieren beginnen? ***Ein falsches Abbild***  
c.) Wo passiert im folgenden Beispiel die Modellbildung? ***B (D erst in weiterem Schritt)***

A B C D



**2.) Und jetzt geht es mit dem „echten“ Coding los!**   
Öffne dafür die folgende Seite <http://beetleblocks.com/run/> und baue den Wolkenkratzer nach.   
Ändere die Dimension einiger Würfel, und sieh, was dann passiert!

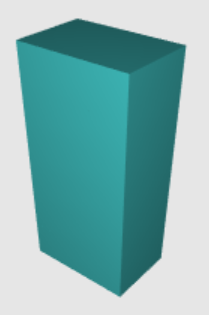
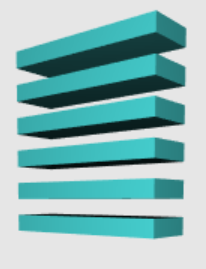
**3.) Was ändert sich, wenn ich den folgenden Code verwende? Bringt er Vorteile? Welche? *Kürzer***

Um diesen Code schreiben zu können, musst du zuerst auf den Block „Variables“   
gehen und dort unter „Make a variable“ die Variable „hoehe“ erzeugen.

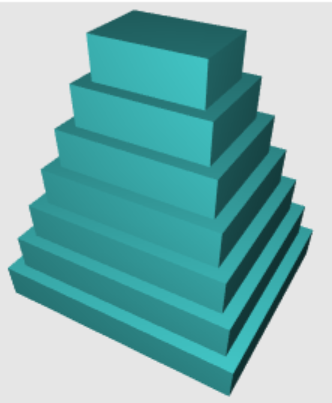
Wozu dienen Variable? ***Zum Verändern von Größen während des Ablaufs***

Wie kann man die Dimension der Würfel jetzt ändern? ***Bei Dim. neue Werte***  
Was fällt leichter? ***Veränderung der Dimension, wenn alle Würfel gleich***  
Was wird schwieriger? ***Den Würfeln verschiedene Dimensionen geben***

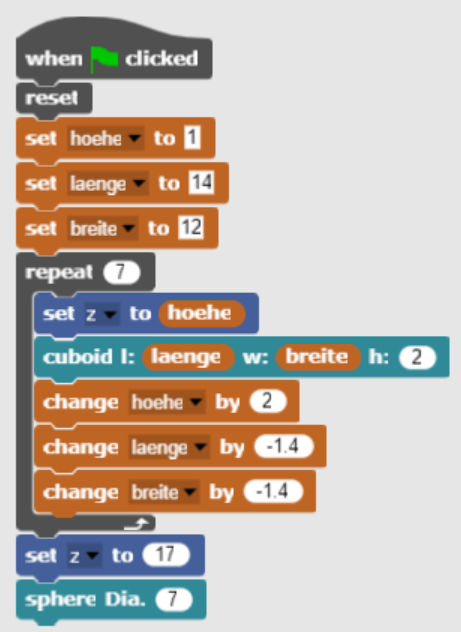
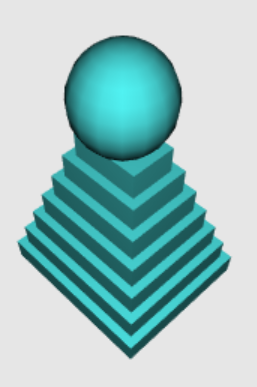
**4.) Es gibt aber nicht nur Wolkenkratzer**, welche man aus Würfeln zusammensetzen kann. Günstiger dafür sind Quader, da sie mehr verschiedene Formen erlauben. Dazu ist es nur nötig, im obigen Programm den Befehl   
 durch  zu ersetzen. Probiere das aus und experimentiere mit verschiedenen Werten für den Quader (cuboid). Welche davon ergeben wirklich das Modell eines Hochhauses?

Zwei Beispiele: Was ist hier falsch:   
***der Wert für h***

**5.) Versuche jetzt, die folgende Pyramide zu modellieren**, indem du daneben eine möglichst einfache Skizze davon machst und dann ähnlich nachbaust (Tipp: Du wirst weitere Variable benötigen, da sich die Länge und Breite der Pyramide von Stufe zu Stufe ändert. Man kann Variable auch z.B. um -1.4 verkleinern):

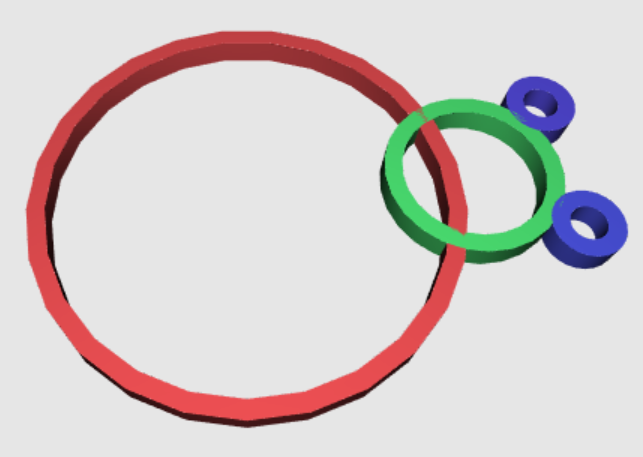
**6.) Falls du Probleme hattest, gibt es hier einen Code**, der dir ein ähnliches Modell wie oben erzeugt. Was wurde dazugegeben? Experimentiere damit ein wenig weiter.

**7.) Jetzt geht es ans Modellieren eines Kunstwerks**Wir verwenden dazu erst mal eine Vorlage aus der Natur, nämlich einen Marienkäfer. Durch Modellierung und weitere Abstraktion wollen wir ein Kunstwerk schaffen, welches der eigenen Kreativität viel Raum lässt und auch die technische Umsetzbarkeit berücksichtigt. Der Prozess dazu ist hier durch verschiedene Phasen der Modellbildung veranschaulicht:

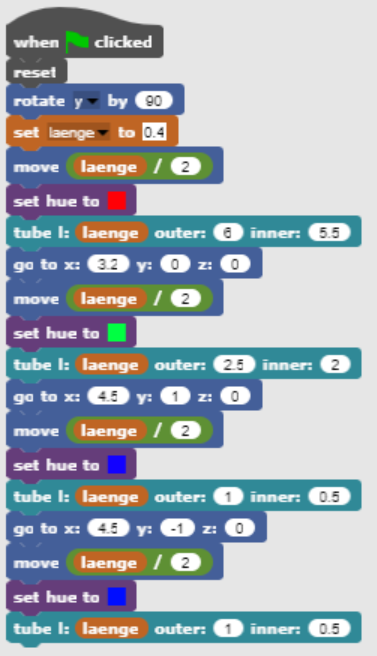
![Ein Bild, das Tier, Insekt enthält.

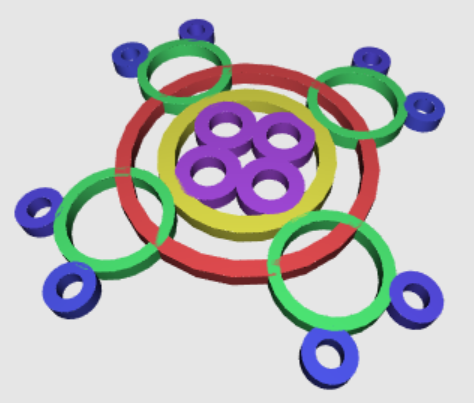
Automatisch generierte Beschreibung](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEBLAEsAAD/4THERXhpZgAATU0AKgAAAAgACQALAAIAAAAmAAAIhgEPAAIAAAASAAAIrAEQAAIAAAALAAAIvgESAAMAAAABAAEAAAExAAIAAAAmAAAIygEyAAIAAAAUAAAI8IKaAAUAAAABAAAJBIdpAAQAAAABAAAJDOocAAcAAAgMAAAAegAAEcgc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQATklLT04gQ09SUE9SQVRJT04ATklLT04gRDgxMAAAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDE5OjExOjIxIDE3OjM4OjUxAAAAAAEAAADIAAmCmgAFAAAAAQAAEYqCnQAFAAAAAQAAEZKIJwADAAAAAgFAAACQAwACAAAAFAAAEZqSCQADAAAAAgANAACSCgAFAAAAAQAAEa6gAQADAAAAAQABAACkNAACAAAADwAAEbbqHAAHAAAIDAAACX4AAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAAAyAAAAAgAAAABMjAxODowMzoyNiAwOToyNTowNgAAAAQaAAAACjEwNS4wIG1tIGYvMi44AAAAAAAGAQMAAwAAAAEABgAAARoABQAAAAEAABIWARsABQAAAAEAABIeASgAAwAAAAEAAgAAAgEABAAAAAEAABImAgIABAAAAAEAAB+WAAAAAAAAAGAAAAABAAAAYAAAAAH/2P/bAEMACAYGBwYFCAcHBwkJCAoMFA0MCwsMGRITDxQdGh8eHRocHCAkLicgIiwjHBwoNyksMDE0NDQfJzk9ODI8LjM0Mv/bAEMBCQkJDAsMGA0NGDIhHCEyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMv/AABEIAPwArAMBIQACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APSHUhATkVGG7Z61+R6w0Po0roljxnGeaUg7vatJWcETbUq3likydOtYdzYtbpuB4FaQnyvlMZx0KQkI6ineb6g10tHPcXzB70u8VFh84u9aXctFg5hQRTgRSdyuYkUipAwrNj5iSNTI3GMVaChBirpwvqRJhtFJsrSUNBDGjPbNN2yjo1c7iWjZkYyKarrGY13MazqXl7x3R0VhQ4PNOElc+qG4kyNkc9KbLCkwxgGuyDWhlJFf+xoGOfLFB0G2P8FbX1OZwRDJ4ciI+VmFVJfD8ifdcke4rVWMpQ7FdtJkT72fypn2HtvrSMYvczs0H2Fuzik+xyeopukh3Y9bOT1FSpZn+J6zdEfMyzGgjGBzT6rlSVguFLUstBRgVhKNyi8rkjBFKcP8tcXtPcaO4jKY4FR5OcVmndFrUVJDuwTV2ELitYvUiorIsgUu09q6eZHKKAw60/A7itE3Ylsa0Ub9QKgk0+KQcAVrGVySlLpBByhqpJZTRckZqlVexDiQ5wcEYpcitVO5FrC5opMaHUVmygpazaKLwwf61G52Nkc5ryklY9BbibyTTDuzTKiR7WznmrMDN0pyeg52aLiuamVyBWcarT1OOSJlYGlJGcV6cJKS0MbO4bcnil5HFTLR2Ffoxw96QopGCK2i0wvqVZrCKUdBWfNpbLkpVXs9BNXKTQyRn5lpoNaX0IasOFFJjFoqGUWmBU7s9aR3wAcZrx9z0kPJV06YNQjOcGqQRZMFAHqT096zNX8R6Tow23VwDNjiGP5n/IdK1w9CrXmlBCSbehyQ+Ik0QkS1tVdDISklw/Kg9AVHp9aqN8QtdkcBZLdM8/JB/iTX0EMlpbyVzphg1L4iSDxxr5kJN2rr3AiT/Cuh03xvcyYW4JBz1eJSP0KmvQw+TUJ+7qmKtl8eW8WbI8a2EUix3LRhyOkTZb/vk/yBNbWn6xp+q7vsV3HMy/fjBw6/VTyPyrHMckxGDgqjV49zw/awU3BvVF4c/wD1qMV4SXKiwxRitI6gyN7dJBggVQn0wHJStbCuZ8lrLEeRxUPOeRUsQtGagZak+5uz0pI23KDivJtoep0Dz42cpkbh1HpUjvFHE0kjBVUZJPak4Svp1Is0eZ+L/H7JI1jpcmxcYklTlj7D0rzxtUJct5ZOTnlsk/U9a+7yvL40KMXPd6nbSg4q4g1SfOVijH4ZqVdVvd33V6ZwF7V6t4x2OqEpdUPTV5VwWjA+mRWjaa/tJ3Mw9O4rWE09tzpi4v4ixOlnrUqTG5eG4xt3xkHI9xToLHxVZOH0++t76GLDKkzYZf8Adzyv/AWFe/HMITw31esr6WPnswyRTre3o9T0nQ/G06xww6quyfaN8czjIP8AsydD9Gx/vGu2tb+C8QtA+SMbkIIZc+o6ivzHM8A6E3Up/D+RhWw06VuYsg5p1efTdznYYpK6SBrRqw5FUp9OR+V4qJIdzNms5IieMiq5DDtWWtyrFkbnzlcKRTok2Lg15D2sek3bQztYjhjhF7LdG2EX8QHUnt75rznxb4iutQEMEczRxhW+VTgntk/hzXvZPSVSanNfD+JrRjzs8/ZAhYDOPeozX2F7xR3fDoKh5xT1GWwOalo0i7kgZsYJP408BTj5fxFQm1qjpgk1Zl2EzeUYoZcLuDYJwSQCAfyJrZ0/Vru0ZUuIyyk434xz6Z6Zr1aEo1Y+ZM48qs3odZ+41KDI5PYnOR9etJb3l9pEieXI4RT8mDnaPQex9OlcmKwyqRcZLfc5KsY1Vys7jRPFltqWIbhhFcDg7uAfr6H9K6TNfE4jDPDVXTW3Q+frUXSlyMAadU82hjYWkxVKVxDWRW4Iqs1jGWzilKNwTM6ZGhOG5HYimrya8OSsz0U7q5wnijUvtl2q4YRQAqFJ4LZwx+vb8DXm91cNPfMzZ27iAK+xyyCjTt2R6OHilC5QfByMZzTAoOcgV7F9DWVm9BjgLzjBNAHPGaroXDexNFEXKrnGTjJ6VLfbdLhEjwtNHnaZYzlQfrW1PDTqp8vQnE4uGFgpT6lnTriyu49yyBQWAbzOq5PU+1d3qXhptB0+HUU1OC7TesRiC8ODnAU9xgd+3NRTcqalfRoTx0ZcitdSNTw7Y2uq25NowgkjXeyZ7nHCj8fp9BzV+e1MUhtb2Py5ORg+3+f1H4+gqqqwTRwSrctVwZz+o2yxswWRfMiOVYH5144z3x711XgnxLJdY0q8YtKi5hkbqwA+6fw5/CvmM5oSi9V5ircleg5x3R23SlBr5pTT0R5e47NKCKpTs7MmwtFdEZJ7E2MZn3jB5B7VVb923H3c14aldnfF2ZwPiBVF/cqoAxISB9fm/r+tcJcQGO7c7SDn5fT8a+xwEvcPXoaxSKTpGG5YA49RS/Z2D5UAADkCvU1tqVzxbshklsWXtuFQxQfvACTirhK5ezubmmWkaSiWZCYovnII4OOcZ/CvQ9Q+F1hrnhgS210wlZS4k2rgNjcSBjIzxwCCRX0OCmoUW++h8xnNSU6kY9tTxeLQtS0fxP8AYLmMo0UuyTngjr+o5rtI4I0XasYTvgDv/j718/mrcKqS7Hq5K37BuSvqauh6g+kanFcKTtHDZP8An0r07XTZa34VbUkMZmhiErbTll7HkEkdPqKvLaylDke6OfNYuNZVY7Hg51lEae3vpZoLqEMySjO5XA+Ug45VuAfftzXReGr+WaDTteSJkhEy7yq/KjggEf59a6uIaalSjUj2scWU4i3tKctmj28SDgjkHp7/AI1ICDX5fTr62ZVhRS7hW0n1JsODUua0pTsJowCcGmseK85HUcN4st2hvVnB+SVccDoVH+H/AKCa5edRIrMRzj/69fVYJ3pxkethpXhqeW3921zeSy/dyeAPSu4sZUl0GxiaCPzkG4z7jltxJ/ltH/AfevqMVaFNHk5fUlOvO4rqFH8zVcIN2eh9a86D0uj3XbqWi0rWc0MeAXjZRx0yKbpPj3xJojR2s0MkygbY+SGVQDgL9M9ete3l2OhGLp1Nj5/NsLOpKM4dDTt2urk+deH98zZP8TDngljk5+n45q4Fwa8LMsSsRXc0evl9L2NFRGn5Wz96ti31xoNHuIvNYKIz8qgfMvpjHJ69f6DE4CqqdZNizCn7Sk7bnlXiOUalqF1qKsvlyqJNyjgfwgHHQkg8V2ngbxzp2jeA5tEuLeS9vHunkSCJPlMZRSCzHgDcMHHIGcV9RiaEsVH2VPd7Hx9Jum7voaeq/GG+/tWxQWkmmWsEoeZYmEvnr6HIGBgEcV65our22u6VBqNkcwzLkDIO0+lfD8TZF/ZqpuOtt/U7cNW9reXQ0QcUuQa+WdT3dTpsKDT6ulJMlnPuTTM5FQjoRk69p63+nyRE7eNwbH3SP4vfHX6ZrzeRZMTQMNsy5THo2D+fUY9RXv5VO9Oz6HfhpXi4nlkNpNPepbBD5rPtwex967+KFreNISD+7QIPwAH9K+qzCpH3Yo5MopyTnOXoDFjnHFIybjvOM55rz07HsPVhh93HPqKsxscdcYpSfUTaejLMUmPp7VP5g/vY9q5ZLUp+RFJIA455pyzAsDknoRxVKIdBNI8DaPrviG1jnSVUJLNFFJtEmOcD0/Crtn4M0651fxJ/Ytq8dvHftbW6g7gqpgEgsScF89+gr6nJcROcud7o+VzbDxpVOVdTkNRsYtTuJNIwINThyYllG3ee6c9M9RXU/BLWbqy12/8ADV2xRJEaWOKThllThgAe+CSR/s1txZh/rOBlKOrS/LU83CN05cjPcwRS9a/Gnaase0KMing8VVK8dCWYLjioverRuhGG8YIrjPEmhlpRc23yyDjkcMPQ/rj616GArezq67G1GfLJM5aOOHz2lMKx3BBDPtAf8TUjwrIvv2xX0Epyb1Z6seW10U3tXUHH41XdSNwx+dbQmmiXcdGrMx2qWwpYgdgOtOO3kZGR09DTY0xpJQnaePTNKLrHBzmhx5tS/IUzAjJYZFPjkUj5W96XKXFa3Lum+I10G/8At4KZtoJpVDHhnEZCD8XKisP4a/EOTwvq0y3+yW2upA0jyAsVYtyR6ZySeO1e7lK5YPzPms7V6yL3xc1DTNb1a017SGMbSKA4I2vnqCR1Bz69iDXKL4ivl1Cw8SRSwJqVi0aOc/PNjOHYf7oCH8PWvYkualKk9rHjbSUj6j0rUYdX0mz1K2UrDdwrKit1XcPun3FXQa/D6sfZ1pR7NnsJ3SZJ2orayYGJ1HNQsMGpRqAqOeFZEwQD9auMrSTHc4vXtDCE3EI+71/+vXJ2t/5qGWOSOeAnG5DkqfQj1r6jB3r0eZ9Duw9dfDIvB45F4Iz6VDKsZ4IFXFNM627spyBUztYAnsWxWPquqLYJu27nJwE3AZ9678PTdSSizGtVVKm5lLTNee8mMMyKpP3SorU84Ae9dFegqc+VE4Kv7ampsT7cg/dscu33cjINW7aVJYw0ZBB7CuedNqNz0ITXNYxPEcyzz21kpA3sA7HoCTxmuY1GSOTVLt4dnltM5TaMDaWOMA5wK9nBx5aCPk81nzYl+Q2KU78yszKy7WJ64pWjZHEY+cN90p0avQg3JWW55z2Pov4f+ObG/EHhyeBbK6t4VjtRnAnVV9DjDYGcDOeceleh4r8s4hyuWX4505ddfvPRw9TngOyVHrTga8qDbdjVmX5RxwKhkjI7GqjFs0vqQgHvWZrfiLSvD9sJdRudhcExxou53x1wPb34966MNh54iqqUN2Enyq5ykY1TxrLvvrSbTdFVlMdq5Ilue4LnsvfA/OuU17wjd6dqUtxo12VuOrRSgKJQeevQ/iBmvqsLiqNCr9WhrBbvuzLknJcy3MePxGY52ttVtpLS7Bwx2kA/h1H61f8AtFxIhlt9s8XUlT0HrmvQnheWXdPZnpYXFRqLllo0ZkmoRnO+N1cHnvisfV4Gu5Emh+ZiNrD+VdWHj7KWo8ZSdak4x3E0yzltpvOkG04wozWm0pC8fSnWkpzuPBUZUaXLLcglZWJU4fnGc1c05o7YSOM4OC2Tn2H61nNNw5TtjGLfP2JvFNuLWz02yfy0u2SS/uGcdDj5V/8AHcY9ce9cMQM9a7cFLmopnyeNd68me76V8KNBn8N21pd28v8AaUkau9yshV1dhnaByuBnHI7V5ZZ6LAfF/wBggne4sxctbxXGNgc8gYzwD+NelQj+/ivmcsvhuW72J18cWenW0pj+wXEcCz42uD5g5Oe4ZjX1MucDd97v9a+H43kp1qcnvqdWCi4xH0/ivkqNmzrZTjWpAobIralpa5TKU9qQcr3rkPFHh7+3LzS4pIITbwXXmTyvy+0DO1fYkDP4e9a4Ku8PiOftf8jRe8rHRiLg5A9/89653xNpplhS6jUFkO1vcHp/UfQ0sLVSqplRTa0OE1Kyt76EQX0CTqOFLD5k/wB1hyPp09q5x/DXkEnTdTktmY8R3Ayo9969D/wH8a+wweLlBcstYmVWjf3o6Mqf2brMlyy3k1tOuQGuXlDHA4GD94/lV5/D0uCY9xx3X5h/j+ldVbF07pxOvB1Jpcsyo+m3UTFQUJHbO0/keaelpdqwH2cjoc7gBzx60e0jJaHpc8bXkOttPN1P5UQiMhz8gkVmGPUAkj8u9dLpXhyO3u1kuXSTy2yihTg+5z/KubGVnSg49TCpXja0TI+KNmN+n3y4OUaBzn0JYf8AoRqh8PbSxh1MavrFlLNYxgrHKImljSYYOXVcnhT3GMmvRyytBYWDk7dD5rEwftWj27Tdf0+/t5JdPuEuFQY3pnAbsDnkflXzZqNvqGl6hcWd5vjmilzIM8bux9+DkH0Nd6xUFiHCDu0jOVKSppnongl7TxFf3F9dQA6xNcWKRTlgzGT5xK5HqQoY/n3r3O3lv4oIxdwLPIq/PLbEAOe5CHp9MmvieKXCriYw6nXh/guWLW+tr1Ge2nSTYSrgcFD6MDyD9RVqvlnB0Zcj3Niqh5I9KlAAIrtaQMe6jFVpIR1HWsMRa90OLIfIUDGKhuLNZoWT1HFc0Klnc2T1OT1DQI58tGArg8r2rmbvQp4Sd0ZxnsOtfQ4XF6WkzVq+plSaVPuyqsT9KbEk9q4R1OOn0r1PawmuUzV0yj4j1ttIggKwiV5icByQoAxnp9RWJceINO1DTbiNla2laI4Upuy3UYYD1HevRwuEk4RqpnPVxDjeDJPB9lcwCWfyZVMwVVZht3LySAO4J2816PpOl3M7I8ikDqc1xZvWgqjZWHi/Z3ZU+IujifwxKUChocS5Pt1/Qmud8B21xBorEMAXuGOA3zJgKPmA5Hbj0pYWanlb5ujFON8Qj0K2WRwCu53PcnP4Vy/xF8NR3miPqcwWG6tioM7EgFCcYbjJ5xjHr6dPPwNd08ZFrdu3yNqsU6bQ/wCHfg+60TWv7SmiuIbMwQvEZUUFnaIl1IySNpJGcAmvY4Z0lX5SDXBxDXjXxXPTeiVjGjTcaauPSGKOSSVIkEkpBkcKAXx0ye9SZNeC6km+aTuFiFxtkPvUin5fxr0ZzSdgtoS9RTGxjFZVpKwokeKTZXEuxrcyrmMJcsOzc1A0Kv1ANdsZNK5vF6EZs4uvlr+VVbnS7aYHdEvPtW1OtNO6Y7JnmniuwgfxnoOlGDzI33vtZcg5OOfYbK0YPDNjASDpdqr9QfIBOfxzX1E8XUp4enFO11f8Tn9nBzlzHR6JomzdLNGCT03DmujSIKOFxjtXzuLrc89zWyWiM/WbFLvT5I3QOjAh0I4YEYIrlvA1rZWF1f6JIkaXMMpnjUj5pYWwQ2erEdD9O1dmFqylg6lJdNTOpZSUjv4beNcFUArl/EsCa/4v0XQB81taZ1O9GPvKvyxrn3JYEehzXLgZtV3Vl9lN/hoFZvlsjsmtiyHBAckEMezA5H61mOysPPtW2ruKMoPMbjhlPuD/AE9c1yUrzTkOUtSa31eSPCzruHqK1I9St3QMJAPqawq4fW8RONyzOPmzTV61GI+MhfCTJ0pMfNU6ySJtYQjmm9KyluUihqKcJIPcGqgrqg7wN4bC01hmqW5Z514l0q9X4kaHqzyL9jZ1tkVckoTnOR6Et1967+GNHQB1G4dCRXsZhU5qFBx/lt9zMYK0pX6lgKB2xS7SO9ePcq9gMAkXHrXDeOtKutNjs/Eumxg3mkSeY6D/AJawE/MD7Dr6AFvSvSymuoYqMZbPR/PQyqK8Wdrpd7b6xpltqNhIHtbmMPGe49VPoQcg/SrFvpdtb6jdX6IRc3QjWVyc5CDCj261y4hywtWpRXp8hxaklIvYqL7Fbsbg+WoefBkYD7xAwCfcDHPsK4I1JR2YNGFcwtDKyt1B/Oq5HNejB3RpFnaTD5c1CvWuHEL3zGL0JVyD9afxinRtbUljWHFRmsKi94aIbtd1q/sM1litqT903p7DhjpTtu6tFvqWZ+p6HbarJatdIzi2lE0IDY2yDo3HXHoeParogbd0rWeIcqcYPoSyUxkAZ6+tA9CK573JZIuBSTQRXMDwyoro6lWVhkFSMEY980oycWpLcFucn4TgtvDHiLU/C0TbLeULf2KNJklWUK6jPoyk/Su3AruzZ89ZVv54pmNPRNdh1KOteUWU9StvNi81Rlk6j1FYJUg4ruw8rxBM7RxlarL0rLE/ERDYkU5Gak7VNMUtxMdqZWVS9wRHKMxsPUEVkJyKulsb09iVQe1SgYqmyxc+tG70FJ6ktiMxIxioz+tNEhzSgnNMDkPGEN9FrvhvVdKtFlvYbpomJx80RXJTn1w2Peu9AGOOnau7HOMsNRl1s19zM18TDGKWvJKHA+orFu7CRLg+WhKHkVvh5WbJeh0h6VTxtY1ril1Jpj4+asdqiktAluJimGicBIjbmslFNZU9Lm9MmVTTsepqmWwxT1Wlclj0GOtDW4bLg80k9SWyvjBxijFWMytc02TUbW3jgk8qaG7huUfbnBjbPT3GfzroozuTOAPYVdepzUYQ7X/GxDWtxWHrSVygthRUqt8vGK0pOzJkTVWlBD11Yj3okw0YRnBqdSKyovQc9xwINIw4rqaViCB6yojyfrXFFas6aWxYHSnCky2GKTkGpIJVORUi8HB71PUhkU0JxuH41CBmtdik9BQvFSISKhu4MsA7x700gilbQhCZpwbilF2YMs9qrzkZFdlSXukx3GqanWsKK1HMkAx0pDXdbQzK85wjH2rJQHbXEt2dNPYmQ1MDUspjs9qCtQRcapxxUynPNAnsSqc1DPHsO4cjNbuN4kJ6kQ+lKODWJoSI3NSj5wfUU12JY360YpKIiwDxUMw4BrSfwijuQjcDxVtAcVVEcyTtSGu17GJTvG2wsfaqaLla4HodUNhrAg8VIrUnsNkgpxrNkDSKVTg0wepOpqYYdcGuik76MzehVmjMTZ/hPSowc1jJWZondXDJU1Kj96nrcHqibhhn1pvA4rosnqQTL0psv3D7UmvcJ6kCnmrS9KWHWpUx3ag9K7DMz9QP7sL6nFQxn5a4pHRHYXr2pmCKhDZIrcU4Gk0QOppoQCo2DzVhW5BpwdnclokIDgqeh6VSYeW209a0qLqVB9BRhhSfdNZDJYpBnBqcjPOK3paqxDFU8Urr8p+lEdaZPUqjrVyMjZTw1uZoqew6g9K6WZmVqLfvIx75pE6DFcczoXwj6awrJAxg4NSA1TJHA07GRSsIaRg09GqWMnVz0zRNGJUzj5u1bc/NHUnZlIEq2CMEdakPzDisnuasZypzVlJfkHNaU5WZnJCI+QDU27MfXmphKysDWpWz8341ZiPFVQdphLYlzSMcCu2WxmjHunD3ePQU9MgYrjmbdCQdKXtWQmRsKQcHBqkIeKcDSAdjIqJsoc0kNEkcwPFTKxqWmhtaDbiMON6/eHWqynoKtajWw49KbkjigDI03Wg4EM5CuOhJ61vRzBl4NbYmg6c9CIS5kMJO/NWImqKfxKw5WJtwqKeYJGT6CuqbdjOKuzFRvMlL+pq6Olc0zUdmnCs1uSIRmo2BqmhCqeeakxUsYop23cuKnqMzLqQ2EwaTPkucBvQ/4f4VZhu0cZVww9RXRKm3FSKWrsTm5RRksPxqlJqFsZdolXdnpUU6MnsDai9SQTqeQwNPE8WPmbB+lUqTbsF0cWU6e1X7LU5rRgCSyd89q+hq4ZVqdup50KrgzeivoplDK/Bq7HN3XH5189KnKnLXoegrSVyTzuMk1janqK+YsCtyep9K0oxqVpEtxgPtCGFXM1nUWo2L2pwbFZiJMjFKVytbRSaZJCwxSo3asWrFElPU4qOoxl3bJeWrxOBkjj2PauIPmQOybirKSDg9xXq5bJTUoSOes5R2Bpnf70jEehNOQgdMV6qpQWiRz88nuWEmdRwxqYTyAffNJYWKdx+2exSIFRsK7KKsZTFSZ4j8pwKvQ6xJEMEZ/GssTl0azui6eIcNAm1m4kHy/KKz3kMjFmzk9a6MLgIYeDXcxrYhyZpaZqAVhDM2M8Kx6fjW+Dnt+FfN5jhnRqu2zO+hU9pEXn1orzjccDUqsMc1UZOIrAcOvTmoSNppy11BEincKeOtYlD1Y1x+txCHVZgBgOA/5ivTyp/v+XyMMSvcuZ4JJqRTivouU4L6EimpgeKFELkTVG1XTQSZG1NzXWjCWoZpCfetFBJbkNCFq1NP1YwgRTsfLHR+u32NcGYYX6xT03Rth6vs5G/FOki5BG09CDmpSccV8bKDi7M9hNSV0Jk09DUDJlYdKJY9y5HatY6xEVVYg1YRsispIscOa5LXnL6q4IwFVVB9a9LKIc1ZvsjDFO0DPFPFfTcp5lx61KDxRyhcYaYaIIqRC1NrpiYsKaTVrczaEoFU2It2N3Nb3CIjfIxwVPSuriJKLnvmvk83owhV5o9T1MJNtWY8f0pwrx+h3LVD1qeMnOKqnoSyG5QK+R3qJeDRNGi2JoyWYAk8nHFcRPI008jueS5P0ya9jJIrmn6HHjn7qQ0U7FfQWPOHLUtAz//Z/+ExsGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRvclRvb2w+V2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NDwveG1wOkNyZWF0b3JUb29sPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCAD8AKwDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6/uIitupYFT1qtHMDwGzmrl7KbyJwAQOgrLgszYwmSQ5Ga/zwqU/ZO9Jux+107OPvbmpZsgYqT81OaM+ZycrWZHdK+W6H2qZbzbjkn61jLEOVNU5RJdN3KPiTwtBqNucKCT+YrzfW/CsmkQmQOSo9RzXsdrcb1yw+Wor7TbfU12bQw+lexQlKLjyysux51aimmmfPsd8y9VqVb4d1OfrXtDfDPTrhtxtlB60knwl0qQf6nB9q9dzje1jxnRqI8cW8GOQRT/tSeteo3fwXs3X9zJJGawb74P3Vuf3M5kX/AGlx+taKkmrmUnVj0OPW5j45/WlFxG3atu4+Ht1a/wCsLgewzVYeFSvHnYPuMVtHCuSumY+3mt0UFkSpo5EqyfC0nO2dSRTR4buezrSlgapaxDHROnrVqOZexqOHw3dcZZavW3hps/vJsfSuSWCqmv1kfaQtdyADG2tqO3S2XYRk1HaWqWKhVO44xk1N94nNb0sGqavPVmUqzkM8laQ24b3FS8UvHrV1KUWtUVEoy2Z52kj6GoPKu14WU4rWpfLHpXk1KGuiN4ux0dvdMybGUgZzk1I7JcZjxkd6WNg3B49RVW6Y2s25DuDV8z7ar7NwvofVRV3ZCSWu3IUcVTDPuKkdKsfamkbkY44qvIZNxzisop2szphfqPt7x2k2McDpXR6Yke0HPNch5Em4tzWvpM0igqePSulVPZ+8Z4mknHQ7BIxjg0/yW/hNZcNw3UHOOuDmtGG4ZVB49+a6I5nCTSeh89KLjsTRrIvDcipwqsBkcU+GVJAP6DNOaRNwX/Cvo6UlOK5Xc45Sd7WK0un21wMMi1mXvg20u1OFXP0rdMO5gFI9zTsMvHFafWJU9JGfMnuee6h8OnViYGx34rBu/C99Ygsybh7CvZYx/e5pklvFIpVkBBrthWqPaRi4xb1PDtxjbaylT05FP8wZxXqup+E7S+U4VQfpXJ6l4Dmh3NAcgdK6liZLSRk6fY5hW7Uq96kuNNubNiJYyB64qFG7EVpzKSuRZp6ky9qWkVqXisJxNUxdtLSZFLXHKBqmbUymJvM3fe6imXFxtRG2FjnFF4CYBKWwF7U2zmE8asFzX59ytJNn26Wly00kdxbgbNjVRXPmbDx71Kuq201w9vuUTIMsp6j3x3q1c3VlZ2clzcyJBBEoZ5HPA5xVWnFpcvoZxk4aW3COJEUDO5jwPf6VxnxE+NHg34ZqYtW1NZNQK/Lp1mPNuT9UU/KPc8V80ftHfteSW1zJ4f8ACN19mgKlbq9gIeY+qrzhR79a+S5vHjyXDyfZWfcSx3ybmJPq3U1+v8P+HuIx1OGKx0nBPVLa68z0KOBlU96bsj7Sj/bOvtPW8g0jSI7mBrmR7e71Wcb4kYfKhjTrtPcsOMfWsKX9sX4iXlwqw3Gm2pk5At9PBAH1ZmzXyOvj3UFbfHZ20fb7uf1PNXoviBr6yg+XHyu/YsQwQec9a/UI8E5PTfvU439L/me7Ry3Bv4oX9T630r9qf4kNdMW1mO5iz8yrZQce2dnFereCv2ptVvDHHqjOrk43XFlE6H2yjxt+hr8+7X4iXkJQyW6qP9glPxrrPD/xdNu7maWZM4x/EP0xXv4LhbJ6bs6MZLtaz+Vjtq5Dl+JjyqKi++qP0aX9qDw3p91Ha6pNbrcsufLsJC0v4wuAc+wck16N4P8AiP4a8f8AmjQdattRnh/11op2XMP+/C2HX8q/LbVrXQ/ifeQXp1WbTNVCCL7RalWDJjo6HnIPTBBxUml+FfjF4ZuEm8NeIdO8U6fZETRWuoSeXJGf+mRYh4j/ANcpB+NfTZj4Z8M4/Aqrl2KdGul8MldX/M/I8yyPPMvxTVOiqlHpKLuz9alIk6HPsvNO2e9fK3wp/ai1GG1sLDxjH9m1IxKLi01CZcq+AD5V0cK3OcLLgn/nq56/SOg+LNO8S27SafN5jxhfMt5FMcsWRkb0I3L7cYPUGv5ezTJcZksnGtD3U/iWqfz6fMxrYTEYa3toNXNjbxjNJ5ftkULIGwc5BqTArzqElU1RxSKN1o8F4uGRTmuX1XwKsm5oMDHpXbFfSk2+3PevT9mrGXM+p5Be6Bd2LHcmVrP+ZWwykV7TPZxTrh0BrndW8Gw3ILR4U1jOm4jVuh5wPrTt1aupeGbmxZsKWUVkNHIpwUOa4766l2Zsx+ZcBgY9sLL365qWxt/ssewkEjoKsajayaawWX5oyeHXoaihxI2RjOelfnc+Ze6z7P2nPG8Xocf8R7GysbFddu9YbQ1sSD56KMuScBPck9B749SPkT9oj4zav4wSw0+1vpLO1WOX91EdjuDhQzD3GTjsTXp/x58bf8JJrkcZSVLLTVeFIXYFHmLFZHAx1wNoznGDjkk18fa9q8uqeIpZZAfJEjKqnkkc4Ofxr914PyiNKMMTXtKcVdXW1+iPo8vwnNBVKmxw01uLZplUMVzyX5zVV+MA5NbV0Vk3jAbPJJ61XjhDB8heeh6fp3r9u9teCue5L3XaOxQt2+bbjB71ZgjLybVyxOegoulWEA7drnqMYpI4wGBXd061N01c6qTbsi2s0qrsZm99x6VZjWOTbmPJ7stMsbFrp4492zc4QNJwB0yT7cirnivy/Alit1PYy6nbbxGb6zbdCrdcFvoeM4zW1HB4mspToQbcex11sxwmX01PGTUYvubOmSX/ANje0sbwxweYsxjZtjM6qwVs+ys44456V6F4Q+Ies+HZo4dStjNGz7PPwFJbAO0N90nkc9ea8+8F6xoHiC1EsV0kKNKqSi6OGiLMAGYf3fXB9a+nfGvwPl+Evhaw8T2/izT/ABBB58Vi9ksY8uaNy5Cwvk+YoUEkHB2HdnjFezgsycYSWKhfl36MzrZhgJKnGlUX7zZatfgbONO8a6aGBEjgYV5AfMXPOCOcfrn0PWmaL4l8QfDm6t/s1zOtvGcW+1s+SO6oTnCt/cHyn0rf+DHhXSPiBpjHRJl0m6tofPlgJAO5ivyxLwMEsOD8o9FGDXTatoJsbmTR9etRaXeWBjfvtOCRnnjg4HOGU9CC3Ti8Hg8wotq0lJbfo+58viMwoVKssNXjd9n+h6h8Lf2g9K8ahbHUpFsdUU7W8392pPTDZ6Nnr/DnuOlew7tvHf0zz9a/PvxpocdnNMsd1H9ssjujmV/9IiGMqGP3tpGMMemQOxNe3/su/HC617b4P12Vpb23iLWF1IPmkVVyY29SFGR7KR1r+cuJeHVk9ZzoRcY78vbzR8bjMrpOlLFYJ3gt12PpZW981IDmq27bwOtOSQ4GetfDLFp6JnzHKnsWeDSbajVsc1IsgraGLV7S3MuUhmtY5wQyg9uax7jwrbSSFtoFdBw1GOvNdPuVCVeOx53NdG4jKOdyHqvb61jzf6JLxny9wxntVhpNrVBPIGUg8jHQ1+VxlJu8j6eE+V6Hyt8YII4/EmsxRqsZW6Z0UDqWJkz/AOP/APj1fMWsaS1prdw/lOrBsxegGSOfbHSvq/8AaF0eXTvEUGoAgwXkWwbR9xo15yfUrgj/AK5t6V4lq0KXkMsrr82Me5A5x+Wa/onIMU44eElqpJI/RctqRnQTWyPHbq1tVkw8ioxGeSByeQOvpR/Y8iTFo0VVQAMqjPoM5z1Jz06fy8H8WeIptc168vMCEO/yxrnAUDA79cCvpfwrqEOofDXwzZS2Fv8Ab7dPNfUvMYySmRpHII6EFTEmMcGI/wDPQ1+s4zBvB0Y1JzvfoeBlmfrM8TUoQhZR6nMXuivPHztEijvzVDT9LJulV2bYTgkDqa7m5hESZx1Iy3tj+dZKWq+cHGVfOC3fHpXk0cU7Xex9g3ytNbnUeB/D9tbXq3l9bu1lZnz2VlOGKEOVBwQSQpPTGOK+sfF/7Bfhv4qfB1bzS9XlS+mja4S68uExrIFMjOqbNy5BXCBlLDJOBXyDJPdzaDqNjbbUknt5IlyuAoZSD+YPXrUXw+/a4+KfwvlttHvbG41KNVEVqNzLJHCiOFWE84K7yQxyw9a/W+Hc2wssLOl7VQm3rfqux+K8bYfG1q9OoouUF26PueXaf8J/FPw1+MQ8OarbvbzWd35F0d3yMgBbuOjINw46emDj6KsdLt7WHy4bdbcE7iiAAbsYyR0J9zz2zjiodHuNX1pjf662dQllLtkmWUYbKM0rFiWA4wCD65xW7Hb7GwcfhyPwr8j4szDD1se44Od4xVrrr/wD9B4PwtXA5elW0lJ31s7HQ/CvxjP8O/F9nqcLHyEO2TcegJz+I4/lX2h8Vn0L4pfBebxTC9q1/Y2kd5II23TxnlWIdWLKCAcE4ZcdQM5+DGAhmJBMuOTnt7YrvdI+Kk2k+A9WtDdyJEltITDCqkyRnBK7doDNw/XORwc7U23w3mzp1FhK0vdez7M5OKstliH9fofHHt1XofOsnxLgtZtS03xDeXuk61YJLNDerv8AOinCny2VsZaKTAQ8YDZBXDkn1v4H+LrvUdN8J/EaC0ktrBL+H7RJDEfKgnV1V0GD0PJA7hwOxr5N+NN8njjxRrfiiKSM2t5Gt4JolwiZPlAMFB2s7I3y9hjoAMfRX7Kv7VXhj4afs06j4A1TTbnxN4guNYuLqHS7ODMLWrwQupmmJAjXzlKMVyygtgcgj9K4vyuef4enTw0OaqlZcurlfofkWQZxWyt1oT+CejT6eZ+qC3i/uynzIwymDww7YP0q1HIG5zn3r82PH3/BSLxEfGvhuFNFuPA2i6beLc30djLHfHU4c4CMGRNiEBlGDkHk5xg/enwx+I2lfFfwTpvifQG8zT76MsiblYxuOsZIPJHX6EV/GnE3BvEHBfspZpCynf8A7dfRN92j1sLi6GMu6L0XU7hWP4UolAqqsm3PJIpfMVulfEzxkeXmudnKXlm9KkElUY2qdcEda7MHjG1dGUonlNwzZNRCTcvNWLhTtJ7VntnOR0FeHF3R7MdzjPi34Ph8W+F7q0cmElPNSYLkwspyJAO+0ncfbcO9fHt7b3Srf6fInkahGJLcxnkJLtYDHqCWUqf4lI9yPvKZftEZVhkdR7H1/wA8e1fPPxs+FbzXi6rpY8m5QCMlh8skeT8jY6Y52n/aI6HFfpPC+aww7+qVXZPVPsz6DLsYqd6NT4Wfltp3h2+1bxFBpKQv9umnEJjcYKtnBz6YI5r6q0/S5NHtoLFlYfZoFgB6cBQp/PbXZWdjY/2lLeNYRWmqsDHLceUqXHoQzAZPTFW7rS4ruLphsfKVwCB6dK/bs0z76+4Q5OVL8zvyPJYZT7Spz87n18jgJ2kkDADaMAE9c98/WmXFr9oczEKGzk4OAa6G60CaFW2AHnnHpWVcW7L5gxxkcMOa4KdaMl7rPoJTu7tFRY5vOJU7weq/0rXspW2gE7SAR+eR/I4qGyhlmmk8uFpikbSMqjhVUZYmpZPLO5dw3rjaAcgilOTY+bm3NnT7zy8ZPyg4+U9K0zdjIxJt9FrjWka1ZvLfK5+6W6U9Ne24Vgxb1xXDPDczvHU3vd6nR3l4sdwgD/MRkmpbfUlaRHDs3IIJUHB9PoePyrmJNSSRAzTLvU+vOPf3qxZ3kTKDHKOOcZpqhy6msYOWj2Nz4c/sqeB/it8UtGtdQt7yG3kZpJLCyufKS5KgtsXglMkEfKR14xXR+G/2Z/C+teOvi/8A8IDpM1lpdr4jm0fTIkcyLFHbgRuytIxYo0/mYOScJ6DBxfBXxqi+E3iT/hJFaEyaTp99exrM+EknW2kW3QnHJad41wPevNP2If2yrj4D+N7+PxH5N/o2sXKS3VzeI8kkUjSfOwxkAEO7N8uSRwRzn9p4JxWIpxdatNuS+H/hz8I43wdHD41QowSUlqY/jPwrZ+OdUufBOwaX4ysTI1lHer5InbJDQfN90sBuXP6Akn2z/glx8StX8M/EnxR8Kdaka2gubeW+t7G7+SWK8gIWRFB6MUZmZfSLPY54/wD4KKeMfCnxQ8baF8R/BMjWktzGizxsvlXIbG9XkXIZGB5G7BKujAYOT4dD8aPEMPijwv8AFOzu7C18Y+G5LW3mk34n1AoX2TyJ3BjUQyHIJG0n75r63jTAUeMcoq4TERtU5fX0+aZ+f4NPAVUqb9w/dSOQVIMNk1y/gDxpY/EbwP4f8V6XG8Wn63Yw30EMv34xIoPlt7qTgnviuljcLjnIPev8wMQnSrTwtdaxbi/VOx+mJqUVJEiqy9elWFb5RTF5WlVa66NJ0tIPQyZ5vu3x888VQnUq31rfWwJT5RkVn3tmyZBUn8KcOZ6pHfza2M+NeuetVNW0yO8hwyhx3Dc1cVGBBPAHWuM+KXxo8G/B7SY7vxRqn2VrgOba1tozNcXGwZfYgx93uSQvIywPFelg8PicViI0cLBym9kipT5Fdnjvxa+Fi27yalZLjygS5AzgAE/N+Q56+x614ToXiw31u15a3Vvq2ms+3zbZw7xk8hWXqDjscV7HZp4w/aevDP4h0a+8E/DqGSN7TQ7gvHeavkh1e4cY2w9DtTHJ6nrXhvxa/Z21rwX4uvNT8C600Gr43S2N8qRC8jIBHzYEbE996qGPOSa/esnp4aCeX4+unWt6xXk5Lr6aL8u7DZxiKCThDmj+P3HardW95GNrru7rWbqENvJlWC5+nSvHbP40PZalLpXjDSrnw7rsbbZW8l1Un3jI3KT7ZB9q6dta1O+t3u9N8vVrMfMWiJ+VP72ehHv09692WTYijPlat2fR+j2PrMLmmHx2tOWvbqjbvFhtyxjlRWIwUaTYSO4HrmuA8feO4vCNuJfL864kcKsHmBS2RnJ4PH+IqleeMLVi4mtp4rkN8+cNgkjjJ6d+K8/+ImlSeIrqC+sf38jKIpUzg5H3eMccY9elfSZblsVVisTsYZriMTRwk5YNXn5bnU+B/izP4mvnsb63jidxmJoVJH0OTXbDU0Vc4+b61454F8M3eh6gL66HkvtIjQMCffOK7KfUCkYAzjG0E5HOfxrux+Ew/trYf4SciqYz6pGWNXv+e9vM7BfFMEZ+yyMGnk4iDKGUnuOelbmi6hBf2qTWzKytxtUAHPp7YryLUJopmaM7bgAlQ4b36jpXQeDJrXQ0u5xuCuFaQMS2AOFIHclj0rza+Bh7JuPxH1dLEVFUUlbl6lT40apHqupaPoMLqomljSedshFZz8oY5Axjn2wa8X8aXtteeMtduLLyTZyX1w0HkoVj8tpGK7VJJAwRgEkjjnvX0F8fNIXw/oPg7QJha22vSQXXifU5rgfdkK4ihB57RbNuPvbfU5+Z2Rd3XH1r7rI+R4CCp/8AD9D+e+JsS8VmdSTei29DQ0+/P2gtdyySwSx+TIzZLbcDAGe4wCPoKfNZzWtwtqh+0rNxG1ucrJngEfj2/wAK/Sz4f/8ABPr4c6t8JNH0TWtNuv8AhL7q2hnuNahuniuY7iVQxiVfmi2KW2YZcnaTnnj4i8M/DHT5PjqPDen6jcaxoCatLpVnquwWyzyfOEClzsVzxgbucjFfZYSE61eOGl9rr5dT5aatT50fpJ+x9+1Z4f8AFsemfC3UNOi8L61pdlDaaOu8quowxRYxtcDbKFUOQCQwJKnIxX1kF3YGcH0IxX4i+JtPnh/aM0DwvpV41n/wjWqWumxakAIrlH+1rl2DDO9ZJDxg4IJPU1+3cSuY183/AFwHznGDu7/rX8X+MfDOWZDnEMRlStCre8W76reXzPqcnr1atC1VbEu5oVGRuFTLJkZxTNowBk1MNtfjeFoupJ+9oexJmDZxAcHsKsrbpMGU46VXtWJZl6Y4NaCKqspH0r3qdN0LWLk+py2reH2jYtHyGOa8A+PHwb/4Wnr3gm0utOsm0nTtZF3qF5cDfOI1jLCGIY4R2RA5yOiD1NfV1xCrL0zWNfaWhw68N3/z/nv6mpo4yvkuL+tYaWtn8rq36m8KikrS1RxC6eCrF0UHOW7E+xI6/jXkvxx8DtfWNtq1rErTW7COUY5dCTtP1GWHsGx6V9BHS41XaF4rO1jw3HqNjNAc4kQhTjpjtXn4HNXhsRGrc7afL8L2Pzx8a+F9N8VWK6f4g06HVoI/lhadCJoM/wDPOUEMo/2clfUGvIbr4HjSWkPhXxZc6LPK3yWeqpujU/3xPHkqfQ+WCP71ffHjD4Q22rF5LVFgnUndHj5c1414i+E+o6aziS3YrnOVA59+lfveT8V8kUqdSy7PVE1sFSqO9te60Z8nL4J8d32rSxa7e6ZqkJdFk1m4u0lkwoIADg+a2R6g9q6i6+Dd3tZrcyMB/HBiVT74yG/8dr1K7+H+oeZujikZhnHy8/n3qKxtdQ0KZbeeJ/LzjOOn4dK+sr59VxFpU5RuuiOzAVqmCXJdtebPE7jwVq1jI0atDIyn7pfy3+gV8H9Ks2/h3WYZEX+zXjPytuEqqBuIAzlvrmu9+NXxQl+HOm6WYrJNQnvncKtwSsSIgXdkL1J3rjpgV5trXxg8L+MvCerWs0UuiX0to4WFofMDyAFlCSKv94D7wHBPNezg5Y3GUoVXS9yWl1+djvrcSUqClGS95d+pf0Pwe/iDUBZ2i2kl2wY+Ql1HLIu3qXVGZlHTnbySK9l8A/BW30bXIbrVLiC9+yyCSGGONgrEdGbdgj6EA+teL/s3+GdV0lL7UPsV5A98kMMUsqmPzIiWLqozlkLeT8xxyMDpX158PfAeq6pJBPcRskZO47s4r57ijHvAuWHp1LK2/U56ecV8ZR5uXlTPmz9vLw0v2jwp4iiIcm3k02d93dXaVP8A0Y/Pt7Vy/wCxx4f8O6b4wTxt440G71LwzaB4bW9S0kvrWC+Uo+6eKEF8LG3G5duSCc19O/tofDZNU+D940IjWWwAvN8g4+T7/wBDsLfWvJP2TNF1PSvh9IVkRXuNTlYJHL++tyscS/vFBypPBA7gV7HD2fyw/DccZBKXs5crT00ufDY7L1Xx6pp/Ej7j8EfFzw34s0u8vPDOqW+rxwDb9ott+xZiCEVtwDKc44xx+tfjv400XxL4C8T6voWt/aLPULK833Me47fNBJWTI+9lWJVh1DcHmv1V0W3ublUMXmXNwwGXkJYgY6ZPb26V4t+2d8D7fxJ8O5/Fl+sWm6zpLRRtqczssbwMwXZL8pZ8EoF2jILY5HKzl3iJLF5vGjOnyRkuVWd2nfr3T/4JeIyONPDe5LVanF/suXGjfGbxNq3iHV9PWT4gX2p+HYLTUmkWaVrn/SVvrlkIxueONZXB5yN2fmNfpjo+oeI7HTbRNa0+LVbyOMefeaOVRJiB8zpA5yvOTtDMR0Ga+C/2M/2b9Y+FvxCPiu/stT07QH0+xns2vreJHluZbNpJ4im5mURyMyZIDNjHGSK/QXTNWgvowY3VjxnnpX4z4qZvRx+bwjG1SnFK7Xftf8/P0OjAYepDDKUlYf4f8VaT4ohmm0u/hvBC5jnjUlXhcHBSRGAZGyOjD2561uDHcYPvWVb6dZWl1d3cNpbx3d4ytcTxwqrzlRhS7YyxA6E8ire9lwBX4pLE0YTbw6cYeerOhx7mfcR+TdNjgE5qzBJujGeuabqikSBsd6jh+Vq9XGY6dGq420NlG8LmoG3LVeYhlIp9ux2kU3biYgjjtXLiMU68FyrfcxinFlMru4xzTfs+4Yxx1qzIpLZIwfamN8vTvXiN8krHWpPocDrVmLXV5lAwsp3+xzyay59NhuMbkVh6EdK6rxla4S3uQOm5Cf5frWBGAMjrX0NGq3TUos9WjPmiZbeHLPqLaM/8BFYmueA9K1KNzNaRHcOy4rs8YFQzxluvQ120cVVjK6k/vNtOqPgn9oLwjYXPx/8Ahh4Oaw+12c32i4Ec0YeNw52c57L5BJ9Bz3rrtL+Bvh3SpHRvCOkRTg5Rv7Njdg3/AAMNg/yq/wDHD4f67B+1p8NPGU11H/wj0k8Wj28UW9pIWbfuLrjo7ygbv9oDHFfVOl2cFxAqTRqZFAwzDn6V+wZrn9bA5dgI0JtxlTu7PrzO/wBx5VOnCVarKUVvpdX0seSfC74X/ZfNu722Vmb7hkUFv19u3QZyOea9dt9PWJMJHtA521qRwLHgBduO1PaApghu1flGMzKrjajqTZ18yWmx5/8AErwrB4i8LXdrcW63VvIjJNbyLlZEZcMp9iCa8R/ZV0HQfCeseKfANxBbW2sWN2+o20UigTXlhMI2jlDYzIU5jbGSNo6c4+r20oXkZGMhhyD3r5l/at8Aax4JttA+K/hS1WTxB4GuftVxAowbzTmceYjnGSqHnngLJIf4TX13DeNWMjPJKtXljW+F9FL7Pyez9b9DjxMmv30VrH8j6S0vR7aLa0cKJ6kAV4r8cNJh+L3x2+HXw4X97pGihvGOvx7CPMjjPlWkO/8A23eVCv8AdfcDXsvgHxRpfxK8H6R4o8OXS3WjavbrcWzH7yZ4eNxk7XjbcjDJ5TPetXRvAmk6P4q1rxHb27LrGsJaxXdyzli6W6FYlAPCgBicDqa+fo4qWRY6tLFXVampRit7Tel35JNtedhVX9Zprlej1LcuivPBIEcJcsyukrjIWQMChIPbcT+BNcZcTRTJ/aGjymGHznglhRsvazodssDjsVbjnGRgjIYGvT9mRjtjH4en61RHhnTZ21RxaxR3GpFXuplGDNIibEduxYKAN3XCgHIAFfM0MdTipKsm3/W5U5ybTOQ0X4jXVjtj1CMzJ/z0Q9P8a7O08a6ZdQLIt0ig9mODXl2uabJpt7LFIPnU4PuM9aynjG45Ga754DD4lc6Vm+xooQn8R9E6nHmIHvmqEJG4Ada17pN8RHtWPEdq+9eVmkEq3N3PPpO8bF6ING2M9asHG3njHeqsLblBJyauMQVAIzxSwkuVPTQiWjK8yZTNV2U8Vb2bsjPFQMtediEue5UWZHiKDztHuMDJUbh+HNcXGPTpXoF9H5ltMhHDIR+lcFbruQHviuzBy/d2PUwz91j0wDtJyetSmHziMA4qSGNmxjg+tXlj2DOOcV0+05HdHVfscD44+FOlePrnRZdXgkuF0i8XUbJUkMflXK/clyuCSPQkr6g10kelS+YeO9biuF605p/QVrUx1epTjRlK8Y3t5X/zMZSVzNktHjVd/wB7H3vX/wCvTlG3hh+dXZZWkUgrkdRxVNjuPAO7uD1+tc0ZOS1MWWodqe1M1TS7PW9OnsryCO5tponhlhkG5HjdSrqQeCGBIP8A+uofmxSxs6tRHmg+eLs0TezueHfs96TpXwL+K3jT4QWcn2bSbtYvE/h22muvMZopIliuYlDc5SSFjjJO3k46n6TVdvSvmL9pLTfENj8SvhB4x8HaNFqHiSw1eWxmd9v72zeMu8BDHBLBZSncMDjrivqJFXb8n3Oi8547c19TxRfFwwuat3lVhaXfnh7rb9VZnFR/duVNbJ6fMRTUkZKtjtTNu0mnjnFfn/qb+Zz/AI20MX1ibyFN09uMuo6sn/1q8vkgZGI6+hr3RW6grkEYPuPSvO/EPhK4ttTf7NC0kEg3oR2z2/Cvfy3Euzpy6Eqbi9T15xlT9KwGUwyuD0zxXQ7gBWLfRlbgnGQa6M0gpxUo9Djw7s7MfYnfx71pjlBxz0rLs22tg8VoxSDGOn1riwXK42Y617ihMZNV5F25NXFZWyByfbpTJlG3jmvQqYOM43MlIzJsNkeorhLWEk/iRXe3WFOemBXDWEgLN7McV4uHi48yPZwuzLUMRxU23GMk1LHjbxUyrnGaJS1OiWhVEeOeo96swwhgOOacyBqYuY39qz5jnkyzbxlc7x9KSfRxNumVsMB0HepoZBIvvVq3YKxDEANwPrWanJMwlJnMmPYxTGCPWneXjIrY1TS22mVBk/xVmxqWzng1182mpcWpK6OB+K3gi68aaPpFtp919h1HT9bsNZgn8vdta2lD4IGMgruHB/iGR1r1mzbzoQ20ITztU5A9qyViCqBjvnH+fw/KrVrIVwAarE4qdehToN+7Btr52v8AkQ4rdbmhKpXgjmoxkVYjYXEeM4aonVo+Dwa8zksrkRfQFYg9avQzHywBtIHqKz91Sxy7V6Vrh5+zk2Zz7Gvu3KaytUZQy/nWhGxKms/Uo9yq2K9fEV5Sp+plTVp6kduwOMVpwfMOeawY/MViVPet21V9ozWGBprmuaV49SyqhOnAPWiSncbR602SvqXFKOhw9TI1VtkErdwCf0rhLeMiMHvjNdl4km8ixmY8cVz1vCGh/CvlPgcj28P7sbi2smRzV2Ns1myxtGwK/jVqGXpWco3V0ayZeVgeO9EkRYc9famR461KxyMA1yvc57shik8skH1q/DIGwTz3qhJGGwafbyGNuelHmKW2htxN5nHUHjBrN1Sx+yt5iAspPbtViGQcc+/FaS7LiHY/IPavWpRjiI8j3OTmcGcwrbs5FOXMbZ7VY1KxbT5cjmFuQfT2qsrbhjqa8+cHB8rOtSUlzLYu283zZFXl/wBIjbpvHrWIJDCw9Ku29zuIYHGKiOjs9mTKN1dE5XGCc470bd3IJxVnCypkck81FkR/Ka6lhe2xz36M0YcFar3/APx7tj+GnW8mVx+FOuosxOOxFdsYqph00ZfbMmF/3nsTW3FkpkdKwI/lYA9q6CzkU2/vU5ZBSm4s1rXtclJ+Whvuikob7te/LS5xdTlfGUn+jLGf4mC1n2UgEXqcVJ40mP2q1T/a3VFa4VV29MV81VVke1T0poe2ZM/Lj61X2mOr3P4VDMpPbiuWL6Ckx8Mo2j1xU6vis9cxt14qykmcUSiYtlqo5B3oWTPFS7dy0KOjFzDbW42yAGtWGYKykHisZlKtnFWbaboM81EZum7olx5jbkRLpXifJVhkfWubuIzZTGNj8wP51uQXTcKW4o1KzW+hLhMyDoc8mu+pKnVipRFTk4Oz2Zjx7Zo8jrUZBibIqCOR4ZirjaynBFWpGEy5HWvPejsdUo2LdjeANtY4rSdRIchcjFc2SYnDelbFrqA8lcntXpYWol7ktjkqRfQZb3RZVYEjjIrQMxktjz83evF/BHxNS5VbLUXENwvCsx4f3r0+01JLiMFHyCM8HNZ18PXwM3Tkio8tVc0Q8w+aQRzmtqwk/dgGuddm87dnvWrYXBPbmlg3yVk+46q0NndzmmTSbVP0qPzgPWqGqaitrayOSBgZ5r6OrUsmckI3aSOS166F1rm3OQgwKs22Y1C+1c/bzG9vXnP8bZ4+tdFHjaB7V89X3PQvpYsow20H5lNRBttTRtXEld2IbKs0fAqONtrAGrske8HFVJo2Hb8a25XHQz5rk6kZ4qeNyO9UoW2tgmre3IyDxWck+g7E7RiReDVKbfbvu7CrS8cA1L5AuIip61knrY0jpuQ2epJJgE/WtGG4PGCcda4HXrx/Cd+slyGFhcNsWUclH68j0POP933rY03xFb3CBop1lU87lORXTUwk4xVSGzNOVS0Rv6vZrcr50RxIo5HrWTDJjaDx61ZbXIYVLNKoH+1xXO3vi/SXvDGl5H5pOCue9FKlVqJ+6Ne4uWTN91yuM1DvMfGTVFdUjYArIrZ54NTR6pabR5km1vTbmrjRqNtJC0PneS2+7kcr0NdP4Z8cXvh+REdmntycHceUFZUkarVWZRzxz61+/rLqGOpOliI3v958L9YqUJc0JHt+n+KbLU40ljnyp/OuisdSA5jIIx3NfN9rqM+nsDG+1fTtXS6Z8SLmwTa6eYfrXw2M4LxlKpzYRcy6Hu0c2w81aqrM94OpYQszDgdjXnfjrxpF9qi06KUbnOXYdF9jXG6j8TNSvIyIsQJjkYrlLq8e7meaQku5yTXo5ZwTi5p1cdO3ZbnHXzulSf7pHsfh+RZowRXRBiAPWvKvAvjFbeaOyvpNgYhY5W4H0b0Pv3r1GOQN0BBP8Pevgs4y2vluIdKtG3Y9jD4qnioqdMnVjt5HNSxzbcZ+lVjkkEE4p3B714O2p1M0lddvFK0XmR8VQjkIq5b3AVTk12U60LOM+plZlKaPyzg5p9rL1Umrb7bqI4XDA4rOkUwPzWE4W+HYpM0VOMVPDIVNUreTzVqxH8retcWzNhviLRYPEmi3NnMAWdTtPdWAypB9QQK+bWa50m4kg8x4ZYmZH8tsAspwePSvp2GVs9e9fP3xSsE03xpqIVdqzhZxj1ZSD+or7vhOp7WtPCVNbq+v4nkZgpU4KcWYc2pXF1kS3MsidlkYkflUlrIFxgKPoKzkcsx571aiYLySa/Uo4GCWkVZ+R82sRJq7bZu2+pTxIAkrAdOtX49WulQDz2P41z1vJz7VoIwK9aUctoXvyF/Wqr05ijMd3WqctWZOpqtJ0r38PBKxxVWyrLiog22nTVDmvfhG55k9dyXzMc96Y0h9aZuqJmNdUeX4Ujlk12JGlNdr4P8AiI+lqlpqErm2XAS5PzGP/ZYdSPQ1wbNSL+debmeU4bNKXs8Sr9n1RthcXVwk+amz6SsdUhvIQyMpjboyncPzq40mzA614B4T8RX2j6nbwQS5gmIDRvyo9xXuenyGSGLdyWLA/hX8255kryfEOlzXXQ/RcHjVjIczVmW2du2Kmt33deoqpGScc9Rmpkr5lrS56iV1c1YJV4UgU6+svPiLpztFUYWORWnZyENjqD612UZc8eWRlszAhlaNyDxzWnbzB16j2qPW7dIpwyjBbqO1UYWKNwa5atPlbOuOqubC5bODg14R8Wbp7rxpOrrtSKKOJG67wMk/jkmvbrOR5pkQsQGYL8v4V83apfTapqV1NO2XeaSTjopZiSB7V9/wPg41cVWqy3jHT5nhZ1U9nRil1K0eeDjk81PG3PSmKMcDpUoQKAfxr9r9mndnxXOyeFiOferyt8tUIeSBVsUezQ1Jn//Z) Ein Bild, das Objekt enthält.

Automatisch generierte Beschreibung

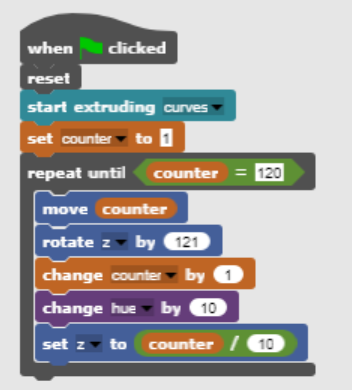
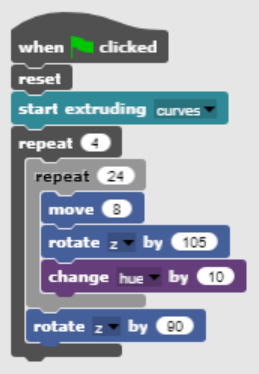
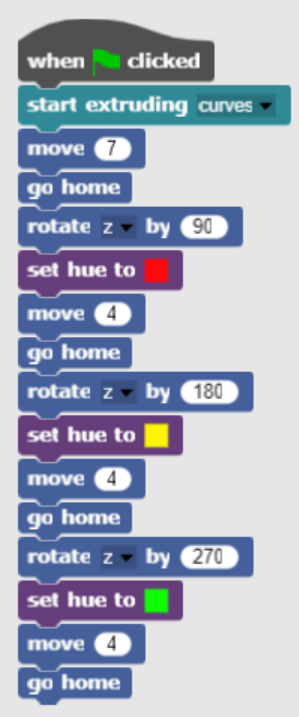
Für die Umsetzung in beetleblocks verwenden wir den „tube“-Befehl aus der Kategorie „Shapes“. Wir setzten also die Figur mit kleinen Rohrabschnitten um, da sich dies auch leicht ausdrucken lässt. Allerdings liegen diese Abschnitte normalerweise mittig in der x-y-Ebene. Um sie anders auszurichten und aufliegend auf die Ebene zu heben, verwenden wir die Befehle  sowie , wobei die Variable „laenge“ erst wieder erzeugt werden muss. Dazu ist im Block „Variables“ der erste Befehl „Make a variable“ zu wählen und „laenge“ einzugeben.  
Diese Variable steht uns dann zur Verfügung.

Versuche jetzt, den untenstehenden Code zu schreiben und vergleiche dein Ergebnis mit dem dritten Bild von oben.



**8.) Jetzt kannst du dir sicher schon ein eigenes Kunstwerk bauen.**   
Überlege dir dazu erst, was du machen möchtest. Du kannst dazu gerne das obige Beispiel ausbauen. Vergiss nicht auf das Abspeichern!   
So ähnlich könnte ein fertiges Werk aussehen:

**9.) Für die Schnellen unter euch gibt es hier noch einige weitere Beispiele zum Üben:**  
Überlege, was die folgenden Programme bewirken könnten. Versuche dann, diese nachzubauen und auch ein paar Veränderungen vorzunehmen. Tausche dich mit deinen Nachbarn aus.

********