

crazy time roleta - jandlglass.org

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Escócia: o primeiro-ministro Humza Yousaf renuncia após ruptura com os Verdes

No dia quinta-feira, o primeiro-ministro da Escócia, Humza Yousaf, tomou a decisão inesperada de romper o acordo de Bute House. O acordo foi alcançado **crazy time roleta** agosto de 2024, entre a ex-líder do Partido Nacional Escocês (SNP) Nicola Sturgeon e os co-líderes do Partido Verde da Escócia Patrick Harvie e Lorna Slater, para encorajar a cooperação entre os dois partidos.

"Em uma das mais improváveis viradas neste caso, e uma reviravolta que eu não acho que Humza Yousaf jamais teria imaginado ser realista, Patrick Harvie e Lorna Slater disseram claramente que estavam prontos para fazer o impensável", conta o editor da Escócia do Guardian, **Severin Carrell**, para o jornalista **Michael Safi**. "E isto foi apoiar uma moção de censura do Partido Conservador da Escócia contra Humza Yousaf."

Dias depois da decisão de Yousaf de cortar laços com os Verdes, ele se viu **crazy time roleta** uma crise política. No lunes, anunciou a **crazy time roleta** demissão.

A correspondente da Escócia do Guardian, **Libby Brooks**, explica o que a **crazy time roleta** decisão significa para o futuro do SNP, suas perspectivas nas próximas eleições gerais e o movimento pela independência.

Descobre um planeta incomum com uma composição semelhante a algodão doce

Inscreva-se para receber as notícias científicas da **crazy time roleta**, 4 a Teoria Maravilhosa. Explore o universo com notícias sobre descobertas fascinantes, avanços científicos e muito mais. O que é grande, com uma 4 composição semelhante a algodão doce e fluffly? Resulta que se trata de um planeta.

Uma coligação internacional de astrônomos recently discovered 4 a planet, named WASP-193b, that's about 50% bigger than Jupiter and somehow still the second lightest planet ever found. But WASP-193b, 4 located beyond our solar system about 1,200 light-years from Earth, isn't just a scientific oddity. The exoplanet could also be 4 key to future research investigating atypical planetary formation, according to a study describing the find that published Tuesday in the 4 journal Nature Astronomy.

Um planeta semelhante a algodão doce

This cotton candy planet isn't alone; there are other similar planets belonging to 4 a class scientists facetiously call "puffy Jupiters." The lightest planet ever discovered is the superpuffy Kepler 51d, which is nearly 4 the size of Jupiter but a hundred times lighter than the gas giant. Puffy Jupiters have largely been a mystery for 4 15 years, said lead study author Khalid Barkaoui. But WASP-193b, because of its size, is an ideal candidate for further 4 analysis by the James Webb Space Telescope and other observatories.

"The planet is so light that it's difficult to think of 4 an analogous, solid-state material," said Barkaoui, a postdoctoral researcher of Earth, atmospheric and planetary sciences at the Massachusetts Institute of 4 Technology, in a news release. "The reason why it's close to cotton

candy is because both are mostly made of 4 light gases rather than solids. The planet is basically super fluffy."

WASP-193b, which researchers think is made up of mostly hydrogen 4 and helium, was a huge puzzle for researchers to piece together. Because the exoplanet's density is so light for its 4 size, calculating its mass became a challenge.

Desafio crazy time roleta calcular a massa do planeta

Usually, scientists determine mass using a technique called 4 radial velocity, in which researchers analyze how a star's spectrum, a graph that indicates the intensity of light emissions in 4 wavelengths, shifts as a planet orbits it. The bigger the planet, the more the star's spectrum can shift - but 4 this didn't work for WASP-193b, which is so light, it didn't make any pull on the star that the team 4 could detect.

Because of how small the mass signal was, it took the team four years to gather data and calculate 4 WASP-193b's mass, Barkaoui explained. Because the extremely low numbers they found were so rare, the researchers completed multiple trials of 4 data analysis, just to be sure.

"We were initially getting extremely low densities, which were very difficult to believe in the 4 beginning," said co-lead author Francisco Pozuelos, a senior researcher at Spain's Institute of Astrophysics of Andalucia, in a news release.

Eventually 4 the team discovered the planet's mass is a measly 14% that of Jupiter, despite being so much bigger.

Um planeta com 4 uma atmosfera ext ``python endedora

But a bigger size means a bigger "extended atmosphere," said study coauthor Julien de Wit, an associate professor 4 of planetary science at MIT. That means WASP-193b provides an especially useful window into these puffy planets' formation.

"The bigger a 4 planet's atmosphere, the more light can go through," de Wit told **crazy time roleta**. "So it's clear that this planet 4 is one of the best targets we have for studying atmospheric effects. It will be a Rosetta Stone to try 4 and resolve the mystery of puffy Jupiters."

But it's also not clear how WASP-193b even formed, Barkaoui said. The "classical evolution 4 models" of gas giants don't quite explain the phenomenon.

"WASP-193b is an outlier of all planets discovered to date," he said.

Informações do documento:

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Data de lançamento de: 2024-07-16