

# Mata Nui's Cookies (crypto)

X-MAS CTF 2019

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Mata Nui's Cookies was a crypto challenge created for the 2019 X-MAS CTF, organised by HTsP. It was a basic crypto challenge that involved decoding an image into the flag.

*“Well... Mata Nui said something about his beloved cookies, but I've never seen this language before.”*

Along with that description, we were given the following image:



I started just doing some Googling - I was looking for references to Mata Nui. I came across Wikipedia articles referring to the character and eventually ended up on the Fandom Bionicle Wiki, reading about the Matoran Alphabet, a fictional alphabet from some game, I think. I still don't know. I found a conversion table and didn't pay much attention to the rest.

The Fandom page I found can be accessed [here](#).

THE MATORAN ALPHABET	
○ = A	⊗ = N
◐ = B	○ = O
◑ = C	⊕ = P
⊖ = D	◑ = Q
⊕ = E	⊕ = R
⊖ = F	◑ = S
⊕ = G	⊕ = T
⊖ = H	○ = U
⊖ = I	⊗ = V
⊖ = J	⊗ = W
⊖ = K	⊗ = X
⊖ = L	⊗ = Y
⊖ = M	⊗ = Z

Conversion table

The flag ended up being X-MAS{MATANUIHASPREPAREDTHECOOKIES}

Challenge description

**Mata Nui's Cookies** 25 Points SOLVED ✓

Well... Mata Nui said something about his beloved cookies, but I've never seen this language before.

Files: [chall.png](#)

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*Note: Please add brackets { } manually to the flag string. Flag is also uppercase.*