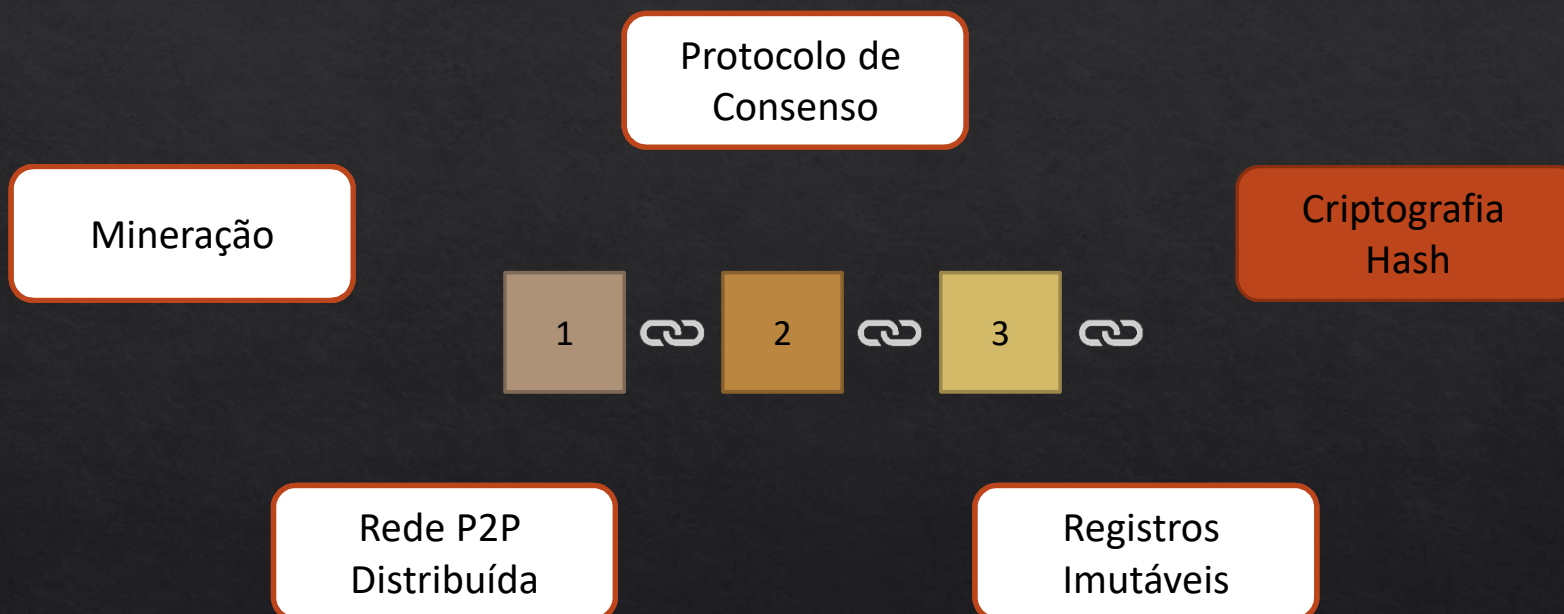


# Compreendendo Hash SHA256



# Compreendendo Hash SHA256



# Compreendendo Hash SHA256

1 em 60,000,000



# Compreendendo Hash SHA256



0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc

NSA

'SHA256'

64 caracteres





# Compreendendo Hash SHA256

<https://tools.superdatascience.com/blockchain/hash/>



# Compreendendo Hash SHA256

## Os 5 requisitos para um algoritmo de Hash

1. Sem retorno



2a89bf1700a9140a  
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21bbeefb9cdb9ef6  
ea7407cf82286afc



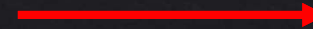
# Compreendendo Hash SHA256

## Os 5 requisitos para um algoritmo de Hash

1. Sem retorno
2. Determinístico



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc



# Compreendendo Hash SHA256

## Os 5 requisitos para um algoritmo de Hash

1. Sem retorno
2. Determinístico
3. Processamento Rápido



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc





A photograph of a snowy mountain slope with a large, billowing cloud of white snow and ice in the center, indicating an avalanche. The surrounding terrain is covered in snow with some rocky outcrops visible. Long shadows are cast across the snow. The text "O Efeito Avalanche" is overlaid in the center in white.

# O Efeito Avalanche

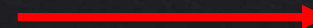
# Compreendendo Hash SHA256

## Os 5 requisitos para um algoritmo de Hash

1. Sem retorno
2. Determinístico
3. Processamento Rápido
4. Efeito Avalanche



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc



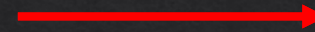
5fd924625f6ab16a  
19cc9807c7c506ae  
1813490e4ba675f8  
43d5a10e0baacdb8



# Compreendendo Hash SHA256

## Os 5 requisitos para um algoritmo de Hash

1. Sem retorno
2. Determinístico
3. Processamento Rápido
4. Efeito Avalanche
5. Deve suportar colisões



2a89bf1700a9140a  
a496380fd0b44439  
21bbeefb9cdb9ef6  
ea7407cf82286afc





# Compreendendo Hash SHA256

## Additional Reading:

*On the Secure Hash Algorithm family (Chapter 1 of Cryptography in Context)*

Wouter Penard & Tim van Werkhoven (2008)

Link:

<https://www.staff.science.uu.nl/~tel00101/liter/Books/CrypCont.pdf>

