

`square(x) = 16`

`x = 4`

Easy to guess

`sum(a, b) = 9`

`a=4, b=5`

`a=3, b=6`

`a=0, b=0`

Little difficult

`SHA256(x) = 69f0fb8cb1d21 ...`

Close to impossible

`SHA256("ABC") = b5d4045c3f46 ...`

Block # 1

Transactions:

Ironman → Hulk	2
Mando → Cara	15
Dhaval → Bhavin	100
Kohli → Dhoni	30
Deepika → Ranbir	7

Previous Hash: 00000000000000000000

Nonce: 24564676

Hash: 00003a5x433f4635fg454adf

Mining is the process of
guessing a nonce that
generates hash with first
X number of zeros

Block # 1

Transactions:

Ironman → Hulk	2
Mando → Cara	15
Dhaval → Bhavin	100
Kohli → Dhoni	30
Deepika → Ranbir	7

Previous Hash: 00000000000000000000

Nonce: 24564676

Hash: 00003a5x433f4635fg454adf

Block # 2

Transactions:

Trump → Modi	782
Bahubali -> Katappa	92
Tom → Jerry	21
Jay → Veeru	9
Imran → Vaseem	451

Previous Hash: 00003a5x433f4635fg454adf

Nonce: 313456

Hash: 0000xasfwer0066aaswx8

Block # 3

Transactions:

Luke → Han	5.2
Ant man -> Thor	67
Tom → Jerry	2
BabyYoda -> Mando	78
Rob -> Tom	11

Prev Hash: 0000xasfwer0066aaswx8

Nonce: 128800

Hash: 00007Ay9418bGTllX