

# BITCOIN

# NEDİR?

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# BITCOIN NEDİR?

**Bitcoin bir kripto para ( digital para) , anlamı bir banka yerine matematiksel olarak şifrelenmiş bir sisteme dayalı dayanan bir regülasyon.**



# **BITCOIN ÖZELLİKLERİ?**

- ① Dünya Geneli**
- ② Yerel Paraya Çevirmeden**
- ③ Komisyon Ücretleri**
- ④ KK na verilen bilgiler olmadan**
- ⑤ Sahtesi Zor**
- ⑥ Enflasyon Zor**
- ⑦ Şahıslar yok**
- ⑧ Kagıt Kürek işi yok**
- ⑨ Kimse bilmeden para sahibi olunabilir**
- ⑩ Hızlı**

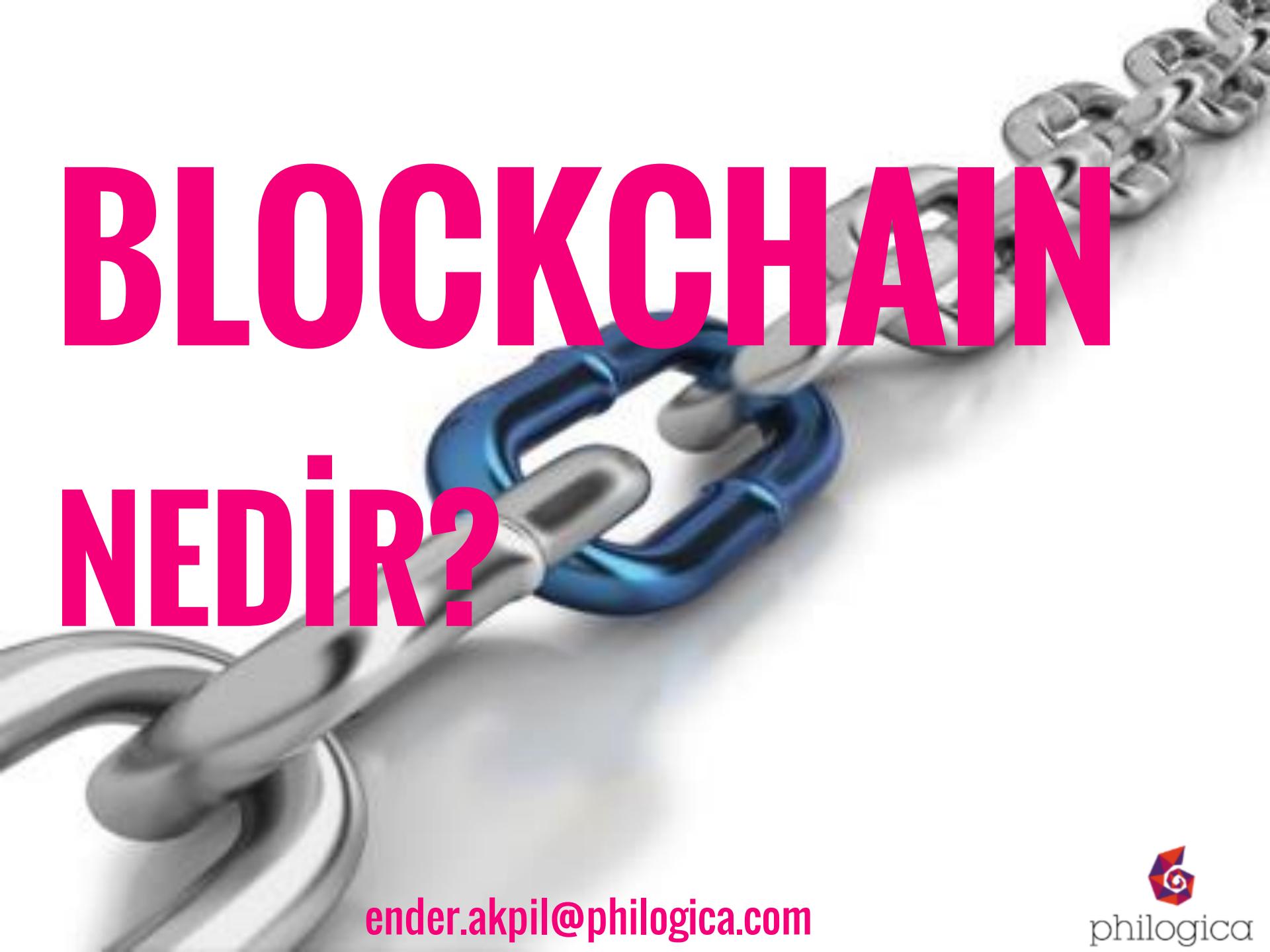
# BITCOIN ÖZELLİKLERİ?

- ① MERKEZİ BİR OTORİTE YOK
- ② KULLANICILAR YARI ŞEFFAF

# BITCOIN iSTATISK?

[blockchain.info/charts](https://blockchain.info/charts)

# BLOCKCHAIN NEDİR?

A close-up photograph of a metal chain, symbolizing blockchain technology. The chain is composed of several interlocking links, some of which are painted blue. The background is blurred, focusing on the texture and metallic sheen of the chain links.

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# KRIPTOGRAFİ?

- ① **Eğer bir kişi public keye sahipse private keye sahip kişinin açabileceği bir mesaj yazabilir. Buna public key encryption diyoruz.**
- ② **Eğer bir kişi private keye sahipse hiç kimse o mesajı değiştiremez, çünkü public key ile kolayca mesajın orginal olup olmadığı anlaşılır. Buna digital imza diyoruz.**

# KRIPTOGRAFI?

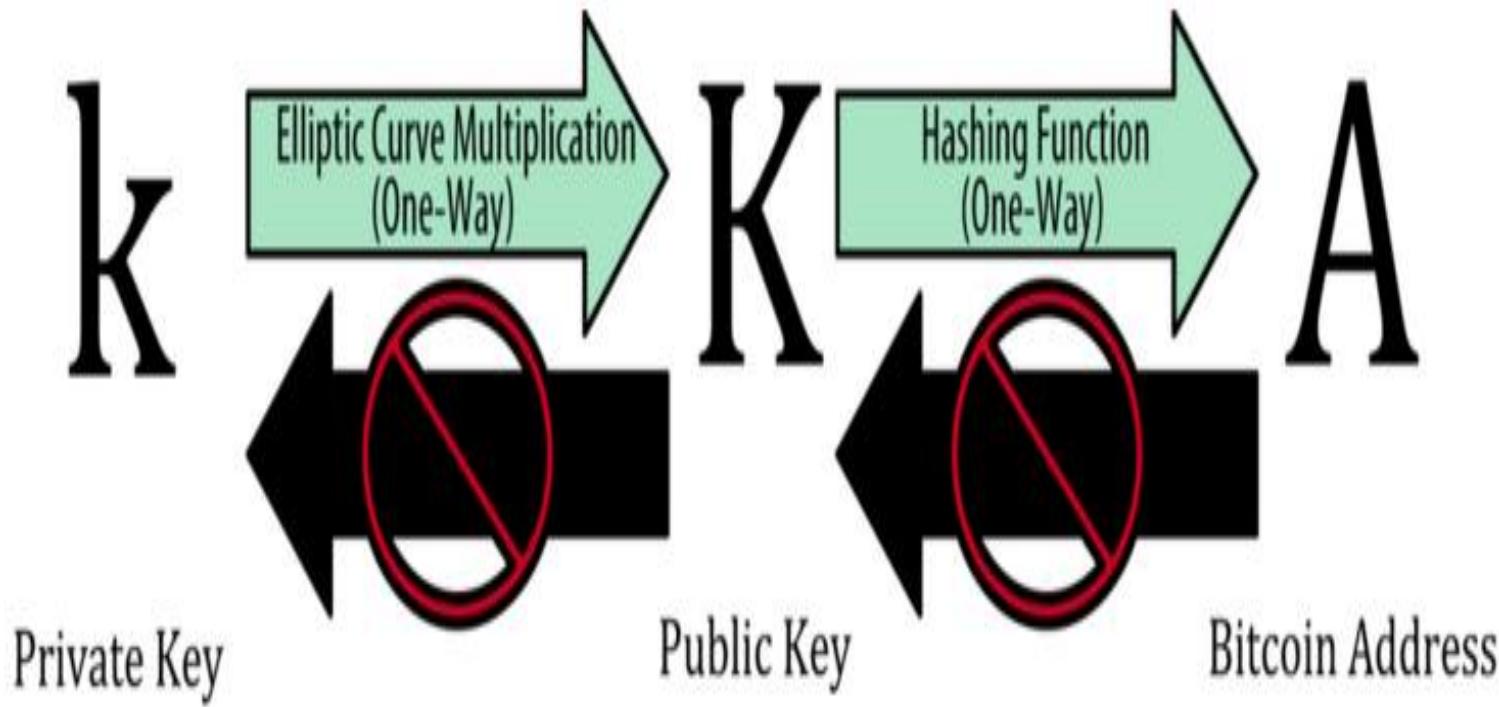
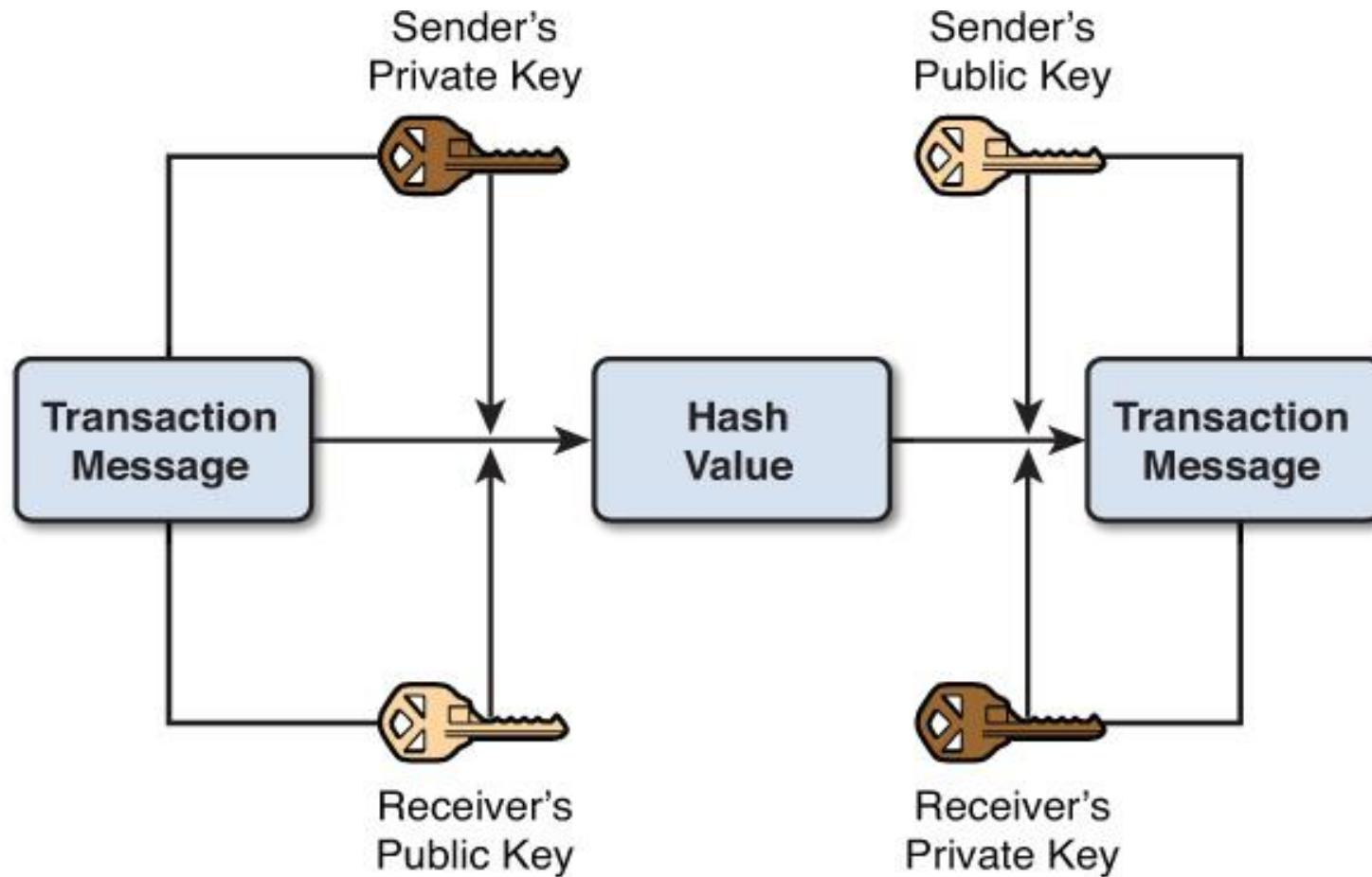


Figure 4-1. Private key, public key, and bitcoin address

# KRIPTOGRAFI?



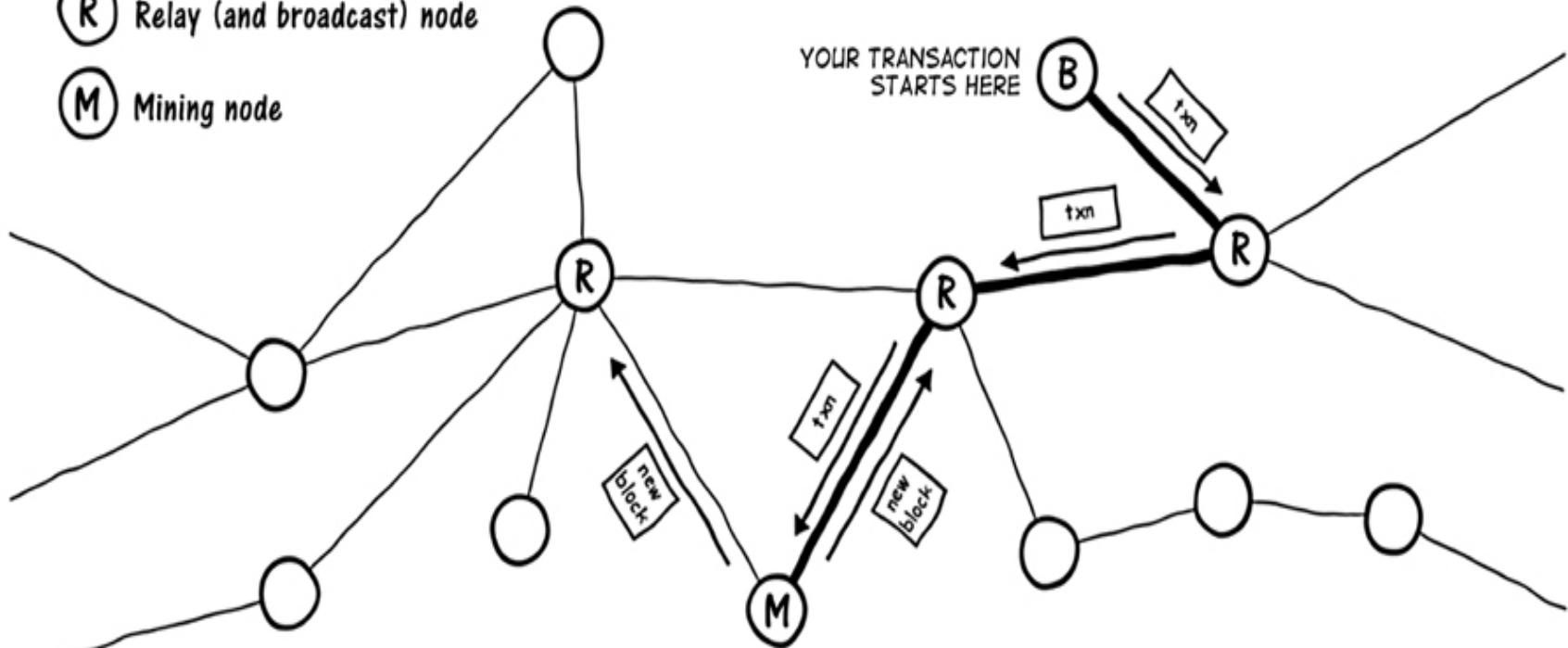
# DAĞITIK MİMARİ?

(B) Broadcast-only node

(R) Relay (and broadcast) node

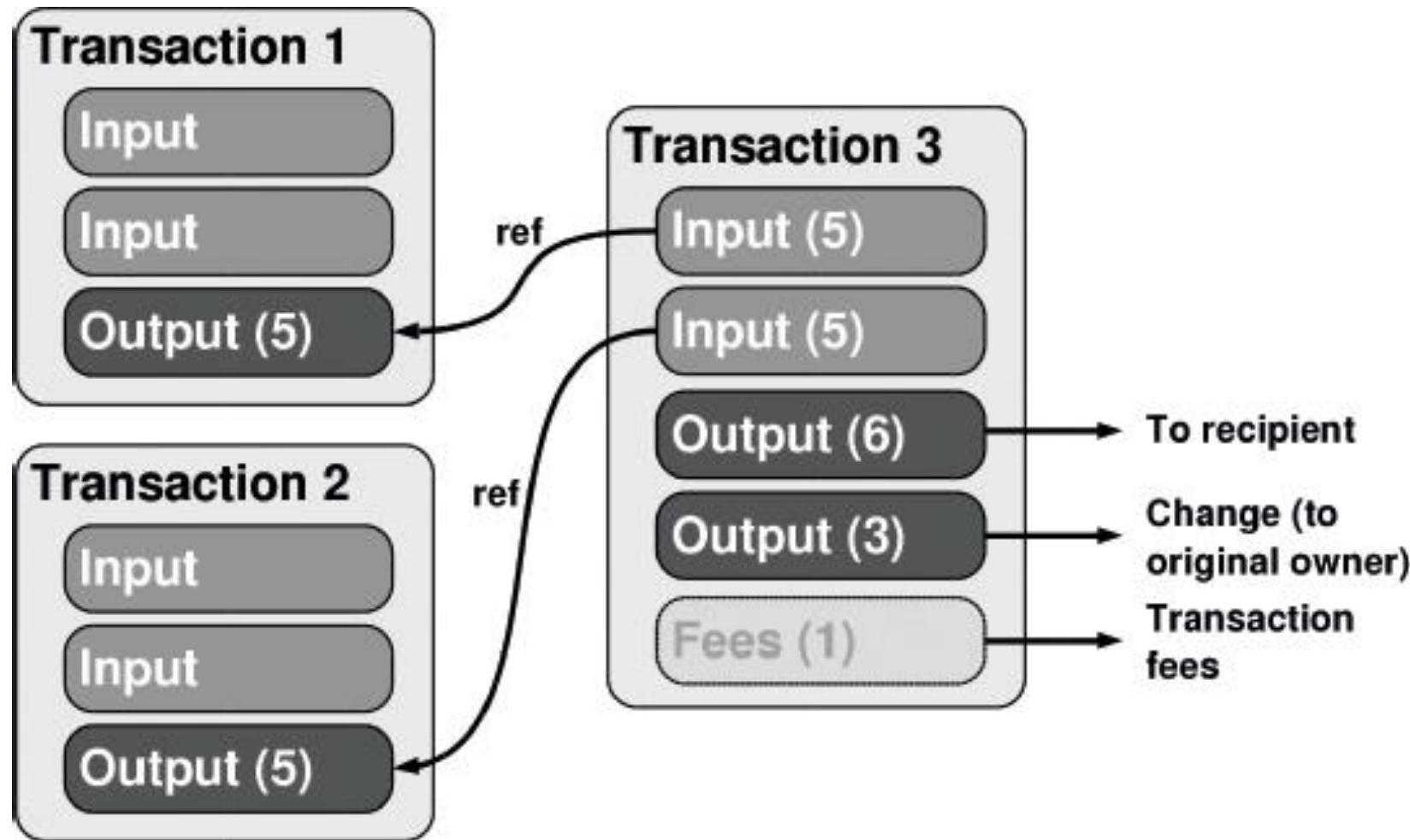
(M) Mining node

The Bitcoin Network



YOUR TRANSACTION STARTS HERE  
YOUR TRANSACTION IS THEN COLLECTED BY A  
MINING NODE, WHERE IT IS PUT INTO A BLOCK. THIS  
BLOCK IS BROADCAST TO NEIGHBORING NODES.

# iŞLEMLER?



# BLOCKCHAIN: FARKI YARATAN TEKNOLOJİ

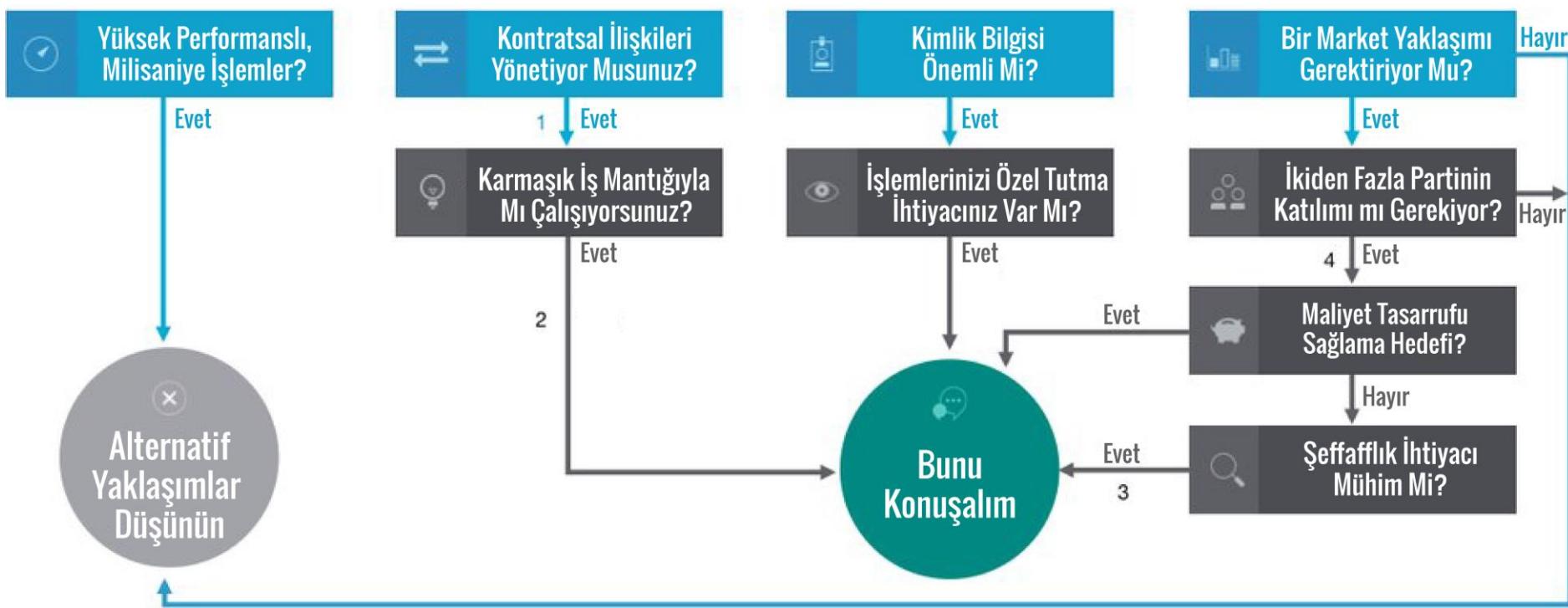
- ① **Digital** 
- ② **Kronolojik güncellenme** 
- ③ **Dağıtık Mimari** 
- ④ **Kriptografik olarak mühürlenmiş** 

# Nerde kullanabilir?

- ① Ticari Mutabakat
- ② Tedarik Süreçleri
- ③ Denetim Ve Regülasyon
- ④ Şeffaflık



# HANGİ İŞ SENARYOLARI İÇİN KULLANABİLİRİZ?



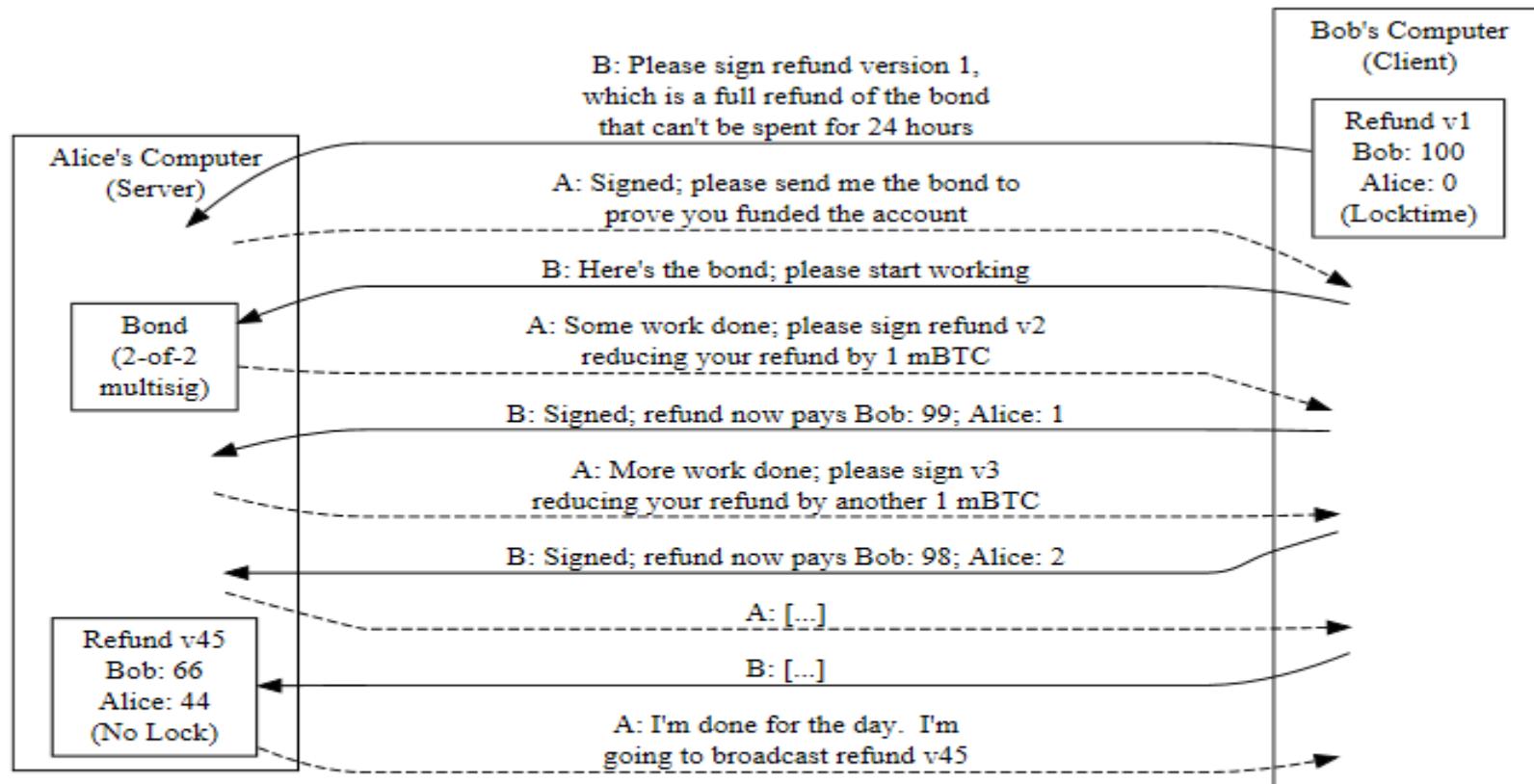
# 5 FAYDA → İŞ PROBLEMI İLE EŞLEŞTİR

- 
- ① MUTABAKAT ( Consensus )
  - ② GEÇERLİLİK ( Validity )
  - ③ TEKİLLİK ( Uniqueness )
  - ④ DEĞİŞMEZLİK ( Immutability )
  - ⑤ DOĞRULANMIŞ ( Authentication )

# AKILLI KONTRAT?

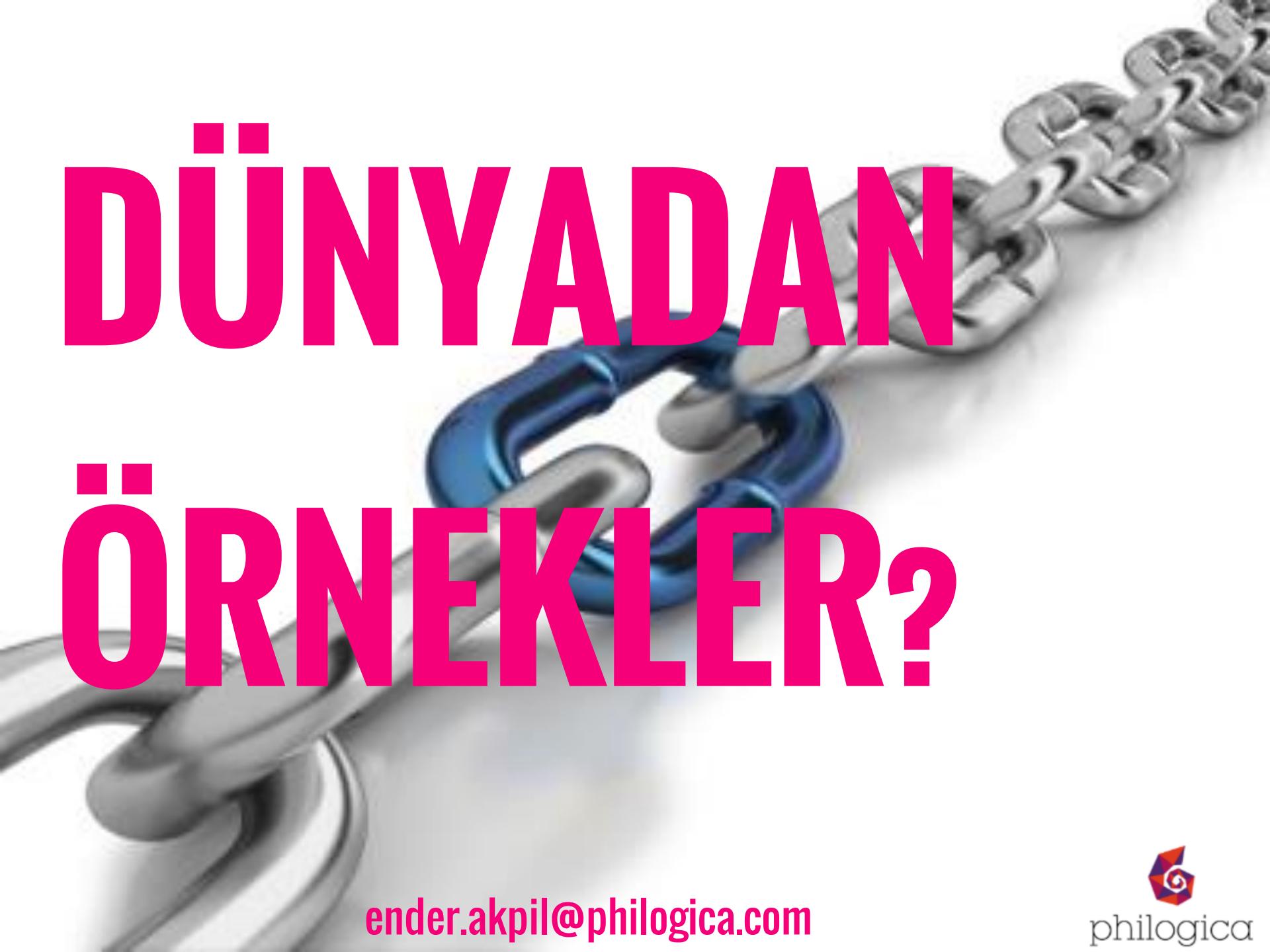
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# AKILLI KONTRAT?



Alice broadcasts the bond to the Bitcoin network immediately. She broadcasts the final version of the refund when she finishes work or before the locktime. If she fails to broadcast before refund v1's time lock expires, Bob can broadcast refund v1 to get a full refund.

# DÜNYADAN ÖRNEKLER?



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**1- [www.everledger.io](http://www.everledger.io)**

**2-[www.augur.net](http://www.augur.net)**

**3-[ripple.com](http://ripple.com)**

**4-[dapps.ethercasts.com](http://dapps.ethercasts.com)**

# BLOCKCHAIN TÜRKİYE

[www.blockchainturkiye.com](http://www.blockchainturkiye.com)



by philogica