

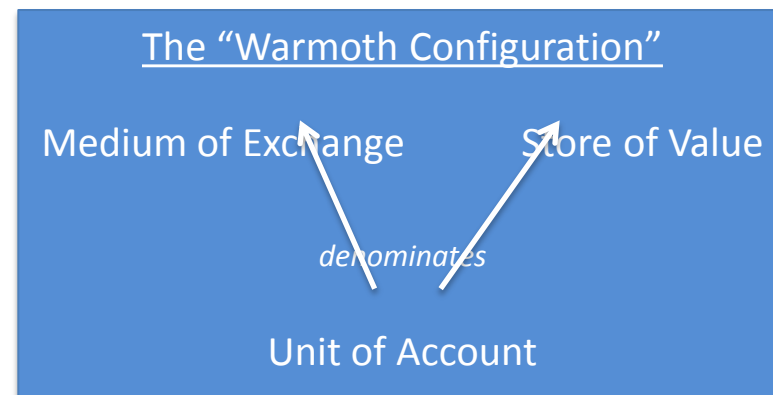
Architectural Framework for TAU

- This framework explores money, and “money-like” instruments.
- Key characteristics of money and money-like units include:
 - ability to buy things, including other money-like units *
 - now or in the future
 - existence via agreements
 - to accept for payment
 - granting exchange value (separate from any use value)
 - operation within some conceptual or physical boundary
 - enablement of marketplaces and economies
 - usage as rewards for deeds
 - measuring success and supporting self-esteem and public image

* Spending one form of money (TAU) for another is generally called “exchange”, whereas spending for non-money involves the mechanism of “price”

What do we mean by a “Transaction Agreement Unit” (TAU)?

- To avoid unnecessary controversy and confusion we avoid the overloaded word “money” in this presentation
- We draw on two of the money-like features – they are defined by agreements and facilitate transactions – Transaction Agreement Units (TAU)
- Some things have nicknames, so we won’t necessarily refrain from using terms like “money-form” in conversation
- We recognize that wealth comes in many forms, much not validly treated as “units”. This framework covers only wealth (value) that can be “unitizable”
- Such units are complex and multifarious, hence the need for architectures and this framework
- TAUs represent both:
 - store of value (capital) and
 - value exchange (flow)



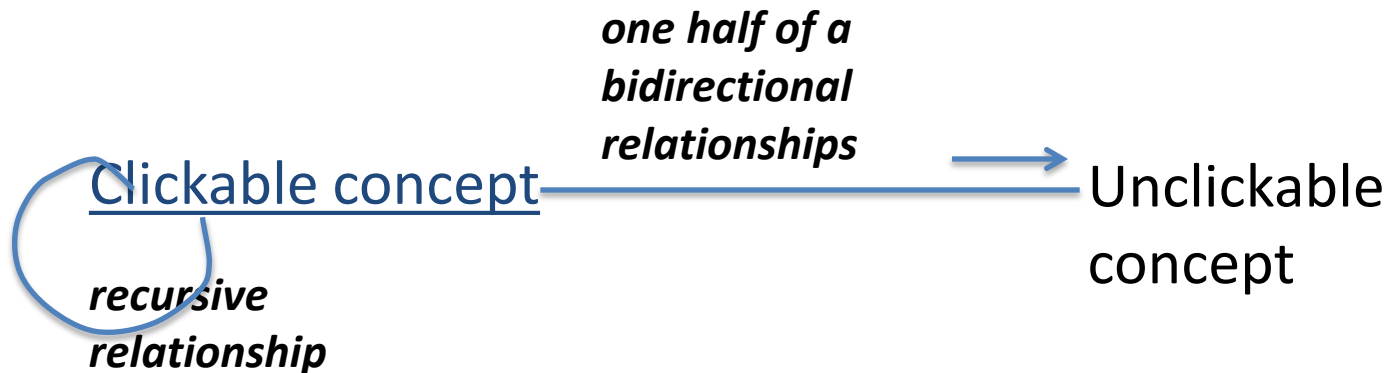
What do we mean by an “architectural framework”?

- An architecture of something represents the components of the thing, and how it is composed (buildings, naval vessels, software systems, etc.)
- Every money-like form has its own intrinsic architecture, which we seek to be able to expose and understand
- Within communities agreements to trade with specific forms leads to design of local currencies that are based on their own architectures
- An architectural framework provides a set of structures and characteristics that can be used in designing specific architectures, including how they interrelate

How to read this presentation

- This is best read in screen-show mode to enable internal links to work, assuming that you are using PowerPoint
- You don't need to do anything special if you are reading a .pdf version in order for the internal links to work properly
- Every underlined term takes you to another page, and the “back” arrows return you to an appropriate overview page
- This is a concept and relationship model, similar to a class diagram.

LEGEND



Known examples of TAU types

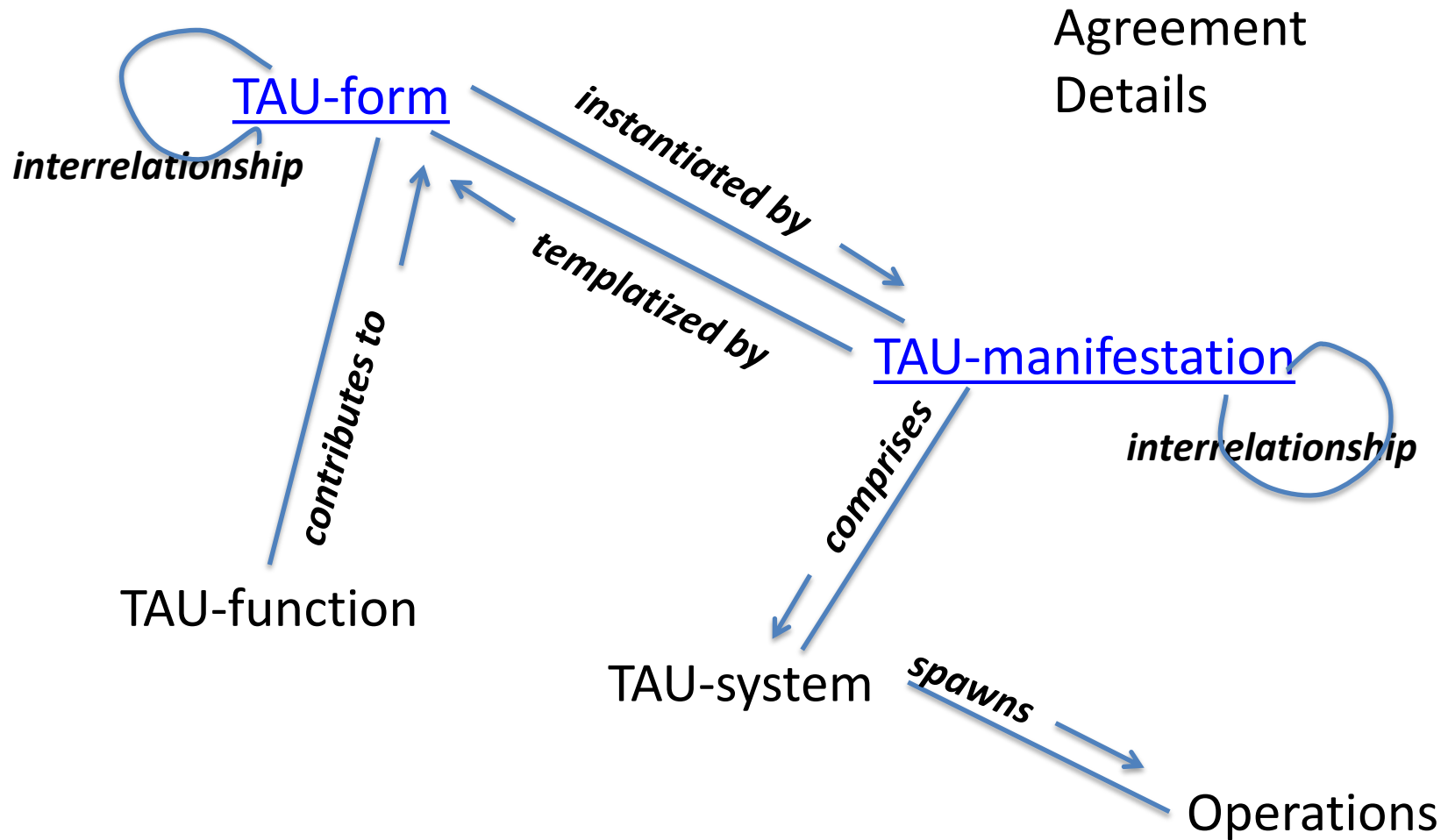
- Legal tender
- Postage stamps
- Food stamps
- Coupons
- Green stamps
- Loyalty points
- Royalties
- Talley sticks
- Truck
- Scrip
- Collateral
- Vouchers
- Reciprocal trade (barter)
- Time-banks
- Local Exchange Trading System (LETS)
- WIR
- Corporate securities
 - Shares
 - Options
 - Derivatives
- Market basket
- IOUs
- American Open Currency Standard (AOSC)
- Robert Burk's Rational System
- Participant reward (Kickstarter, e.g.)
- Discounts
- Mortgages
- Credit cards
 - Cash back
 - Teaser rate
- Debit cards
- Personal checks
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- Loans
- Micro-loans
- Crowd funding
- Rebates
- Patent
- Copyright
- Library card
- Coffee card
- Condominium "week"
- Commodities
- Products
- Services
- Energy units
- Futures
- Virtual
 - Game
 - Bitcoin

For more examples, see works by Greco, Lietaer, CC Research, etc.

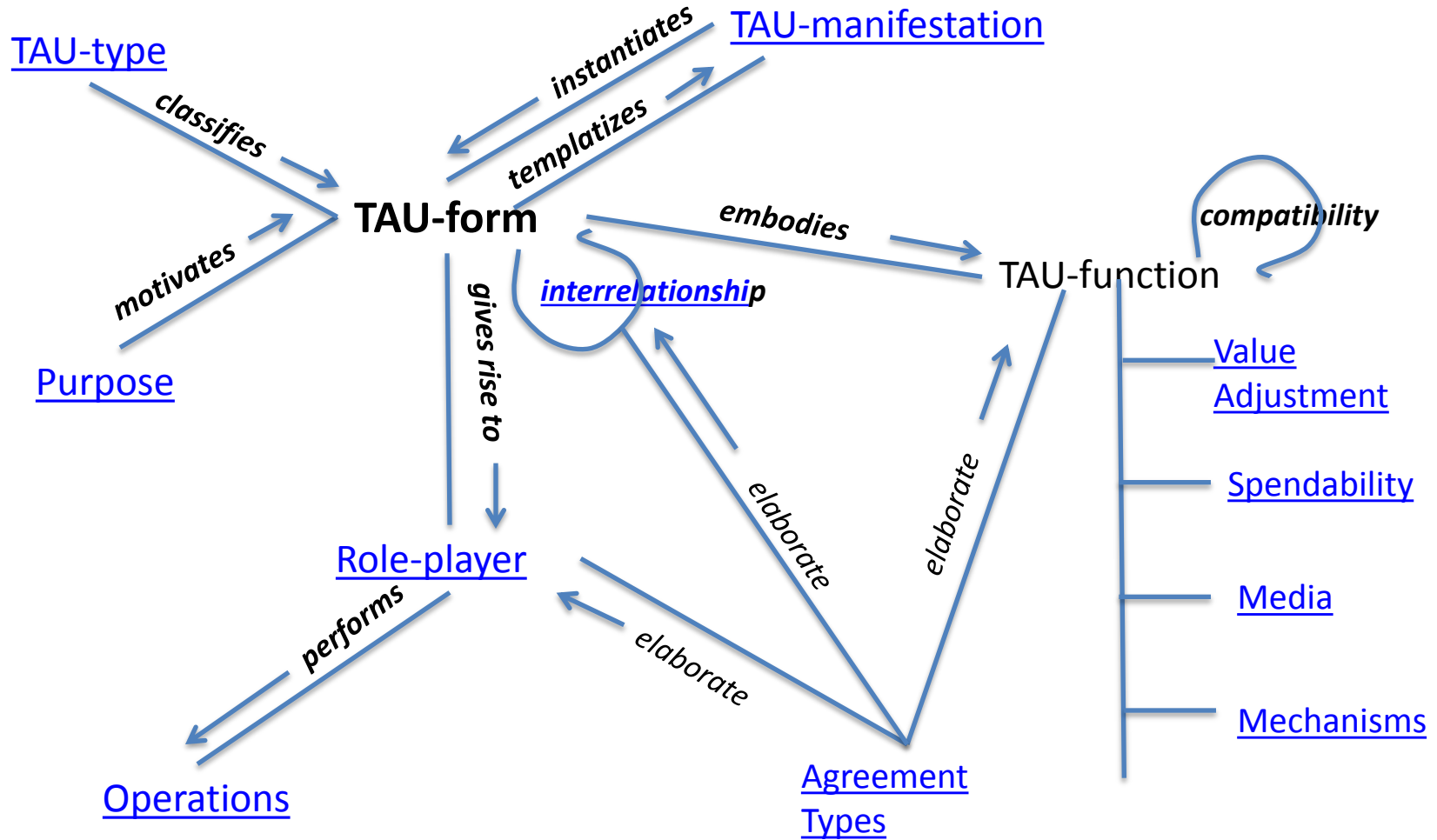
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High-level framework for Transaction Agreement Units (TAUs)



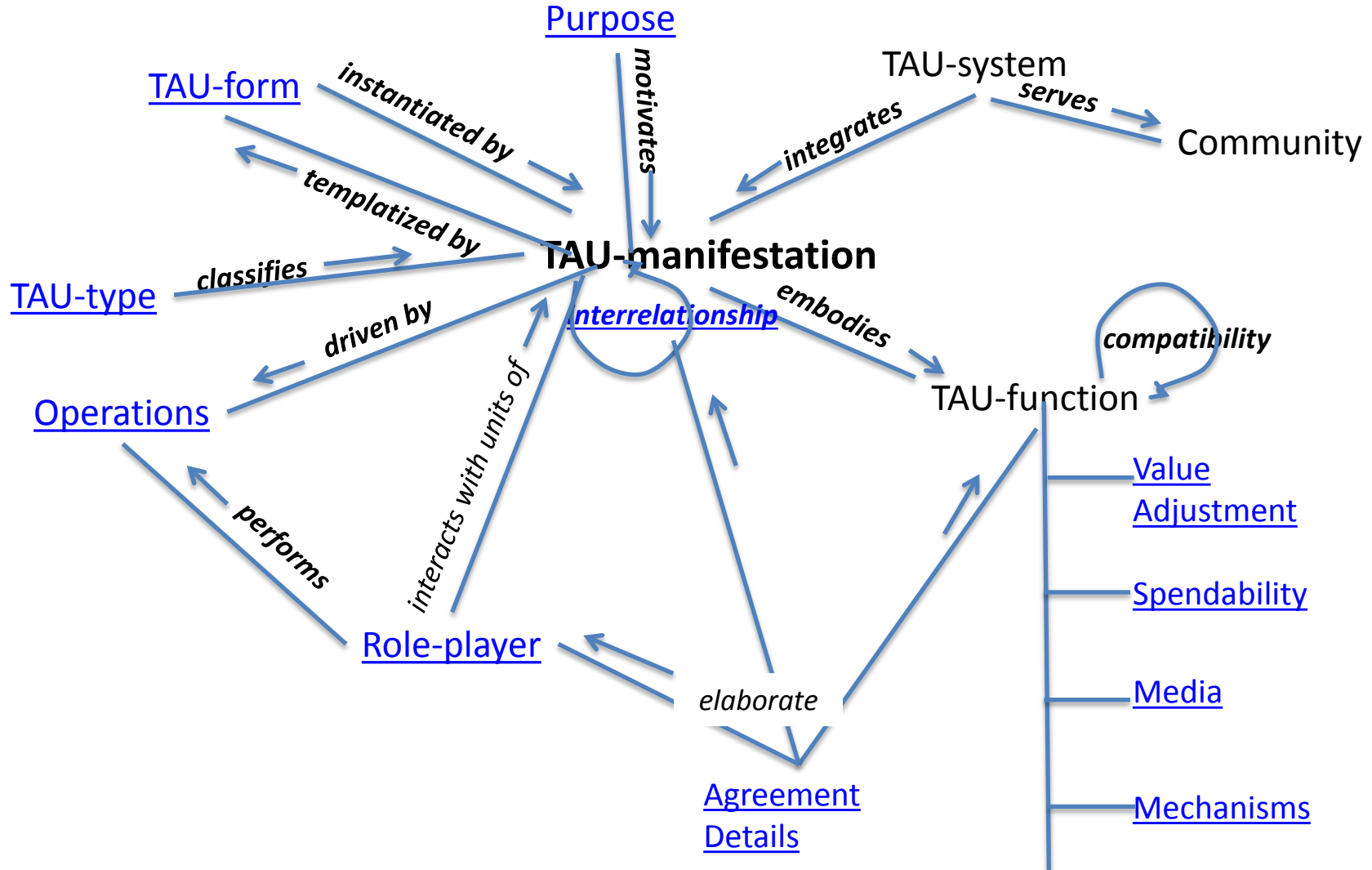
TAU-Forms



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TAU-manifestation



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Purposes (for spending/for accepting)

- Community purposes
 - Retain money circulation within the boundaries of a particular community
 - Increase velocity of circulation
 - Build ownership loyalty via capital-focused wealth-unit
 - Internal reward system
 - Create liquidity where there is a shortage of liquidity
- Merchant purposes
 - Good will
 - Marketing
 - Loyalty
 - Niche (investment) marketing
- Member purposes
 - Local discounts
 - Access to unique value propositions
 - Ethical urgings
 - Improve talent capability
 - Mentoring
 - Problem definition
 - Performance of capabilities

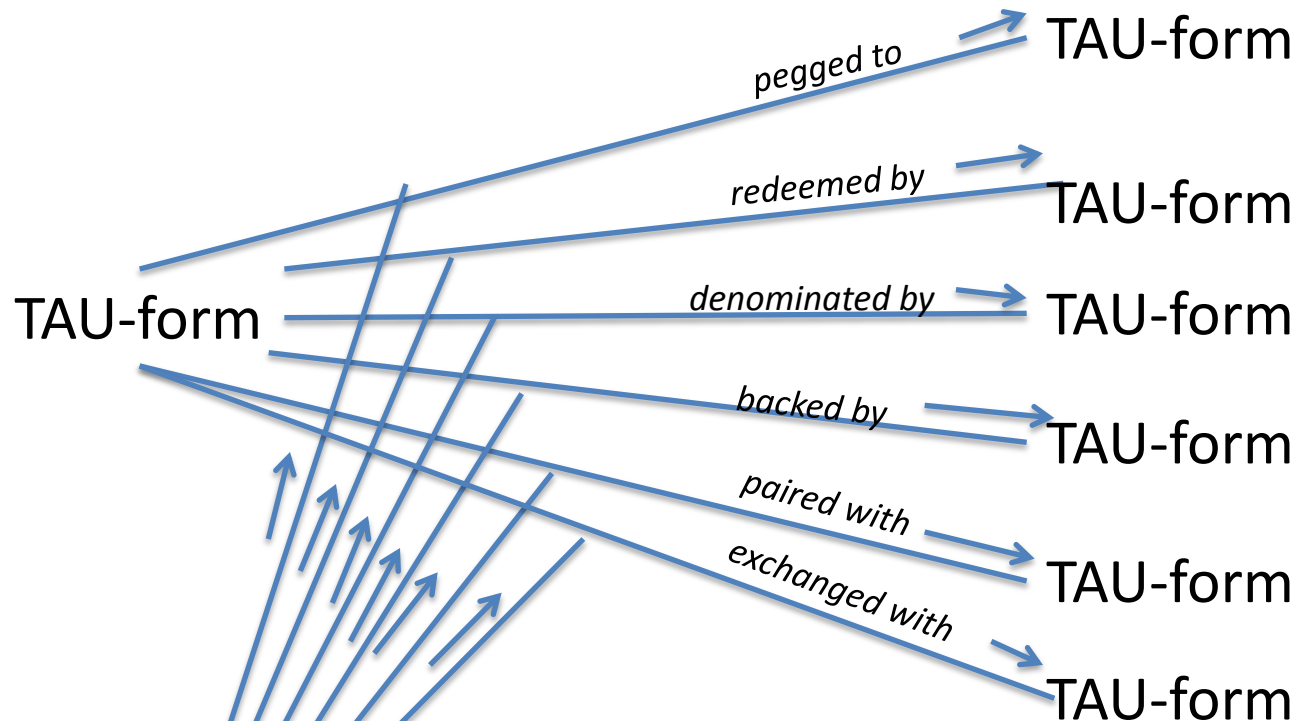
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Top

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TAU-form to TAU-form relationships

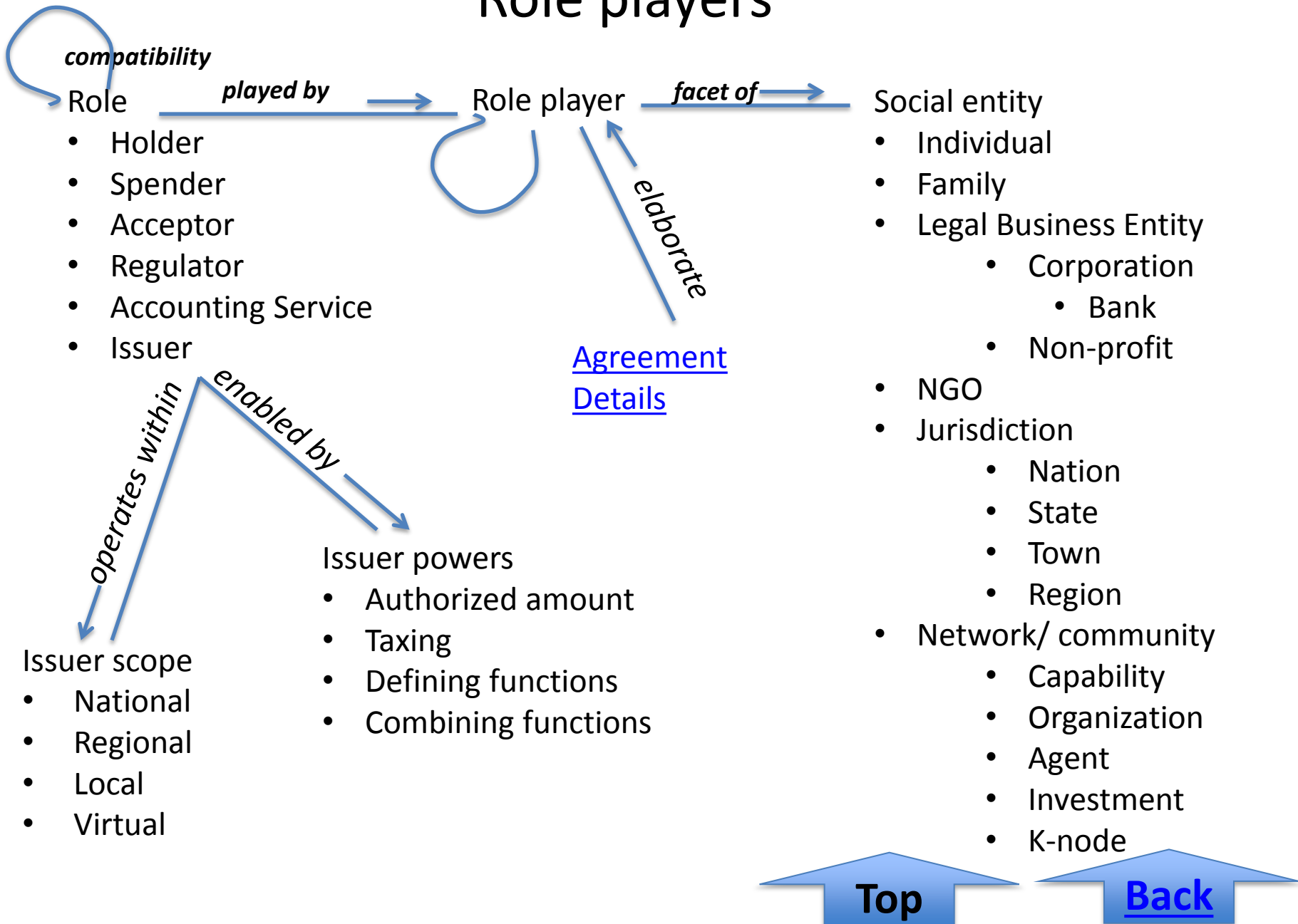


[Agreement](#)
[Details](#)

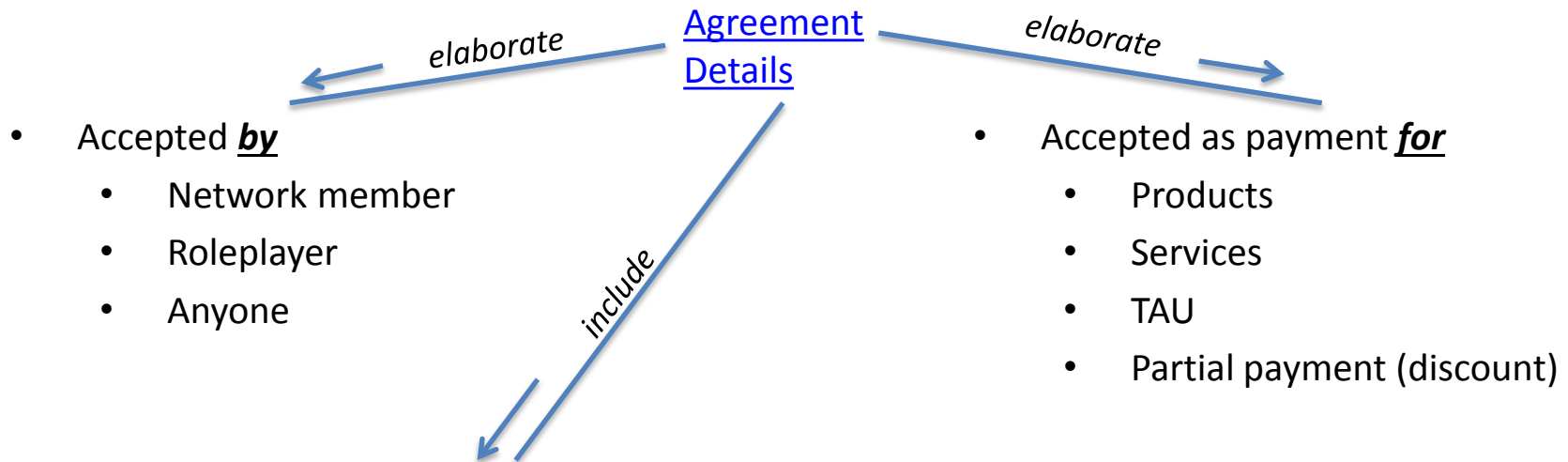
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Role players



Spendability (fungibility)



Spending Agreement conditions

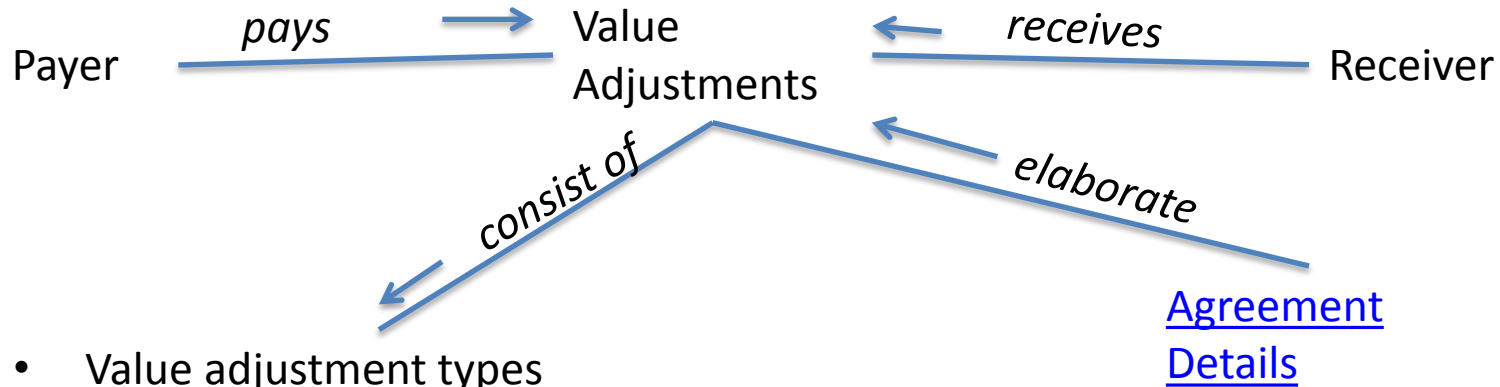
- Personally spendable
 - Free spend
 - Coerced spend
- Investment
 - Locked
 - On-demand accessibility
- Single use
- Transferability
- Divisibility
- Defacement

To accept a unit of a
TAU-form in payment
is to accept a network
of agreements

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Value Adjustment



- Value adjustment types
 - Accounting system support
 - Membership fee
 - Transaction fee
 - Incentive payment
 - Participant exchanges
 - Interest
 - Collateral
 - Jurisdiction impositions
 - Demurrage
 - Tax
 - Cost
 - Storage
 - Security
 - Reporting

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TAU mechanisms

	Exchange mechanism	Storage mechanism
Physical	<ul style="list-style-type: none">• Deliver physical item• Pay point• Mobile device• Shown ID	<ul style="list-style-type: none">• Vault• Refrigeration• Warehouse• Document
Intangible	<ul style="list-style-type: none">• File transfer• Smart phone app• Computer UI	<ul style="list-style-type: none">• Database• Mind



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TAU media

Symbolic

- Coins
- Bills
- Punch card
- Electronic swipe card

Utilitarian

Needed

Desired

Consumable

Calories

Fine foods

Containment

Shelter

Fashion

may be

may be

Service

Recipe

Performance

Generic
performers

Named
performers

Availability (days,
hours, etc.)

Commodity / Product

Grown

Made

Durable

Perishable

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Operations

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elaborate

- User processes
 - [Create / Destroy](#) units
 - Spend units
 - Accept units
 - Hold units
 - Redeem units
 - Exchange units
- [Accounting](#)
- Administrative processes
 - Agreement
 - Creation
 - Enforcement
 - TAU-Form processes
 - Create template
 - Accept template
 - TAU-manifestation processes
 - Clone template
 - Modify template

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Creation / Destruction

Creation

- Loaned into circulation
 - Interest-bearing debt
 - Mutual credit
- Spent into circulation
- Gifted into circulation
- Exchanged into circulation
- Mined and assayed into circulation
- Stolen into circulation
- Swindled into circulation
- Performed into circulation

	Time-based	Results-based
Potential		
Demonstrable		

- Something put at risk
- Born as TAU
- Something becomes TAU

	Branded	Generic
Grown		
Manufactured		

Destruction

- Redeemed
- Demurraged
- Spend-once
- Hyperinflation

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Accounting

Accounting features and actions

- Create entry
- Calculate account balance
- Calculate network capital
- Perform network audit
- Allow negative balance
- Transparency - auditability
 - Of use
 - Of creation
 - Of validity
 - Of amount in circulation

Account ownership types

- Personal
- Merchant
- Community
- Jurisdiction



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Agreement types for TAU

Agreement types

are enacted by



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- Formative
 - Match purposes
 - of community
 - of roles within the community
 - with purposes of the TAU instance or system
 - Characteristics of form, instance or system
- Membership
 - Role expectation
 - Agreement to conform
- Cooperative
 - Included cooperations
 - Excluded cooperations

General stipulations

- Contract enforcement
- Expiration (longevity)

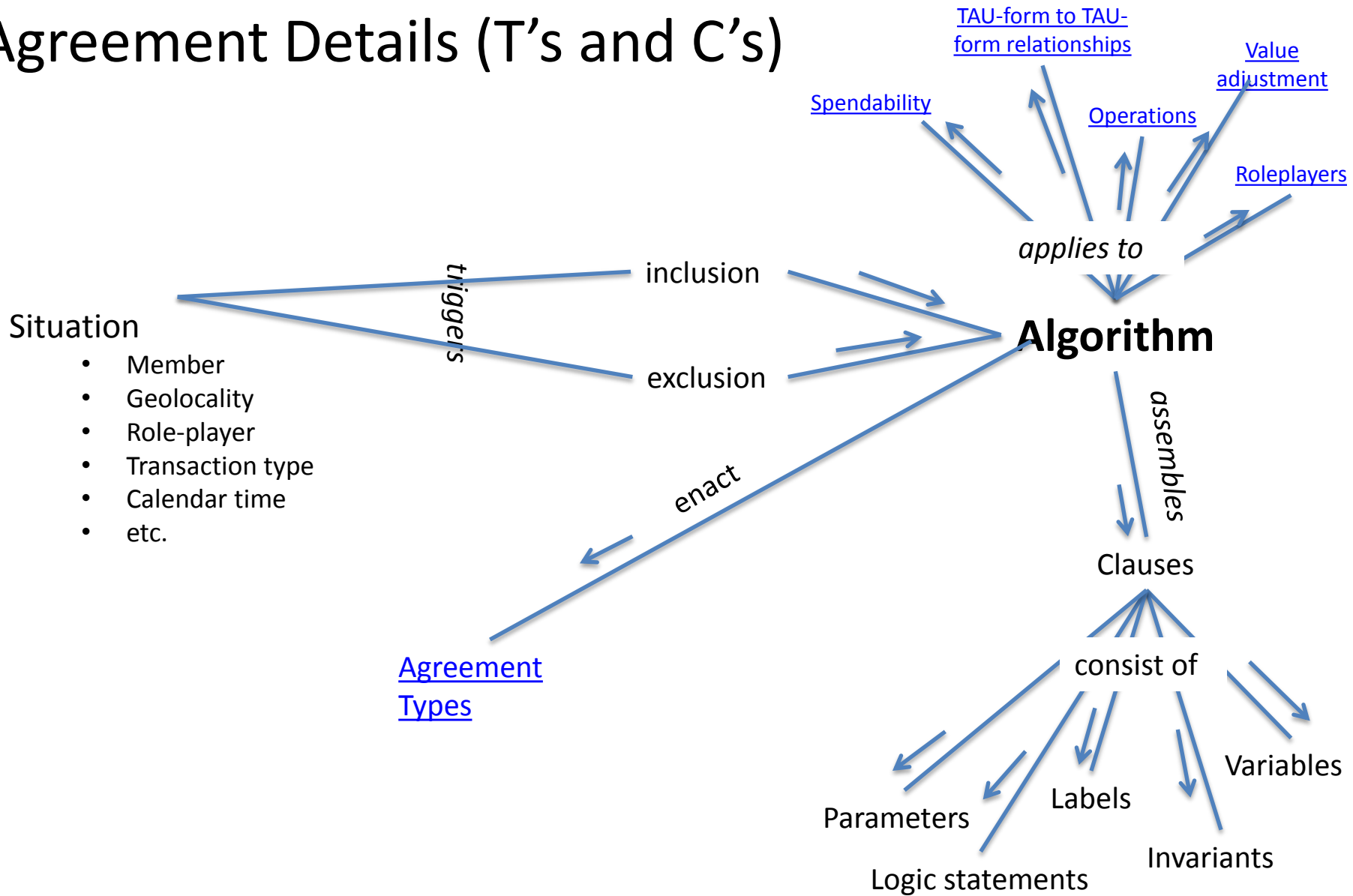
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Agreement Details (T's and C's)



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Purposes at TAU-manifestation level – Academy of Enterprise Study and Practice (AESaP)

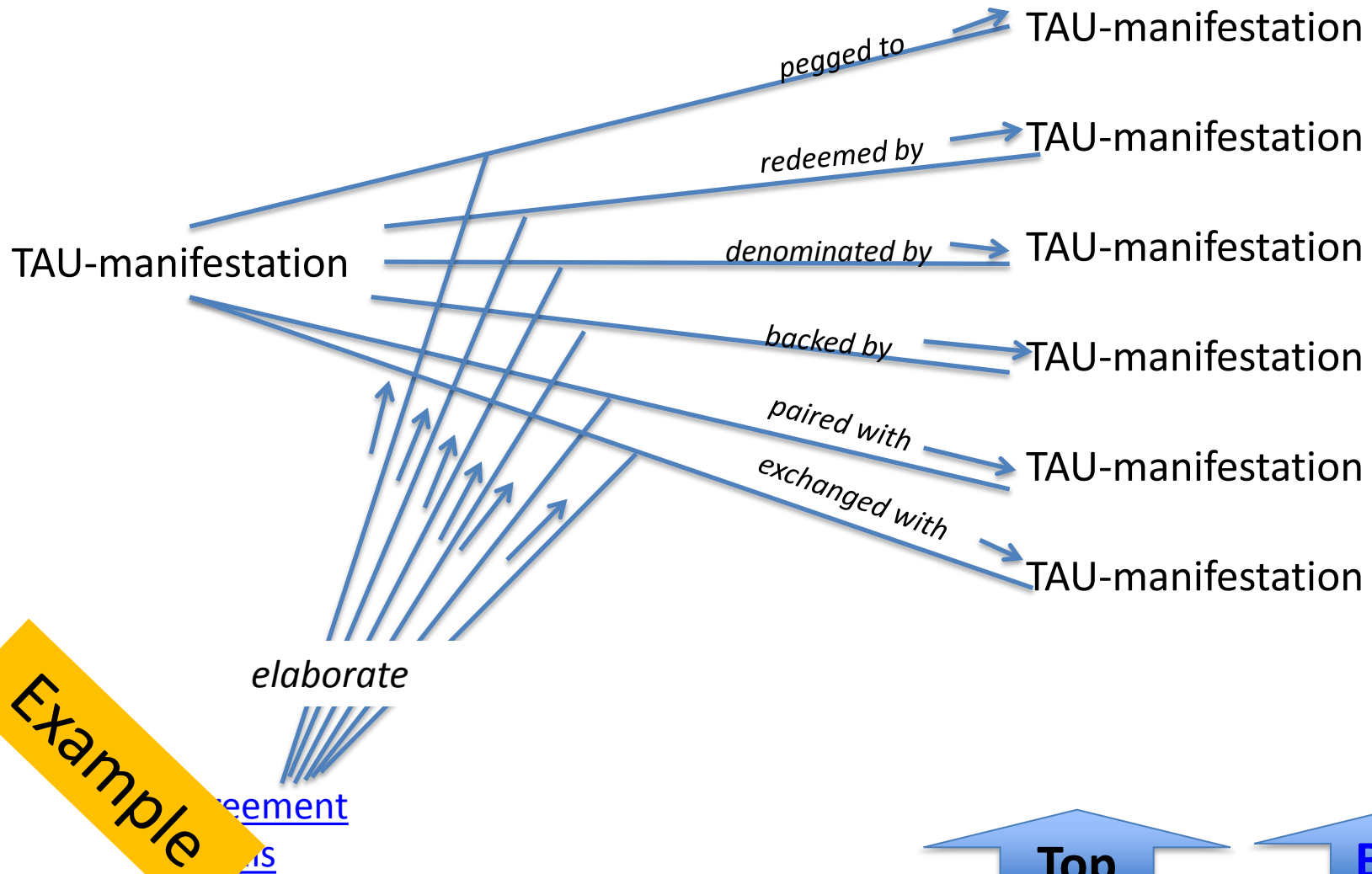
- Community purposes
 - Attract top talent into community of practice
 - Retain top talent indefinitely
 - Create and refine valuable intellectual property
 - Perform innovative engagement work
- Agent purposes
 - Build relationships with top talent
 - Understand leading edge practices
 - Place talent on engagements with leading edge clients
- Member purposes
 - Learn from peers
 - Teach peers
 - Build advanced IP
 - Practice on interesting engagements
 - Practice with innovative team members

Example

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TAU-manifestation to TAU-manifestation relationships

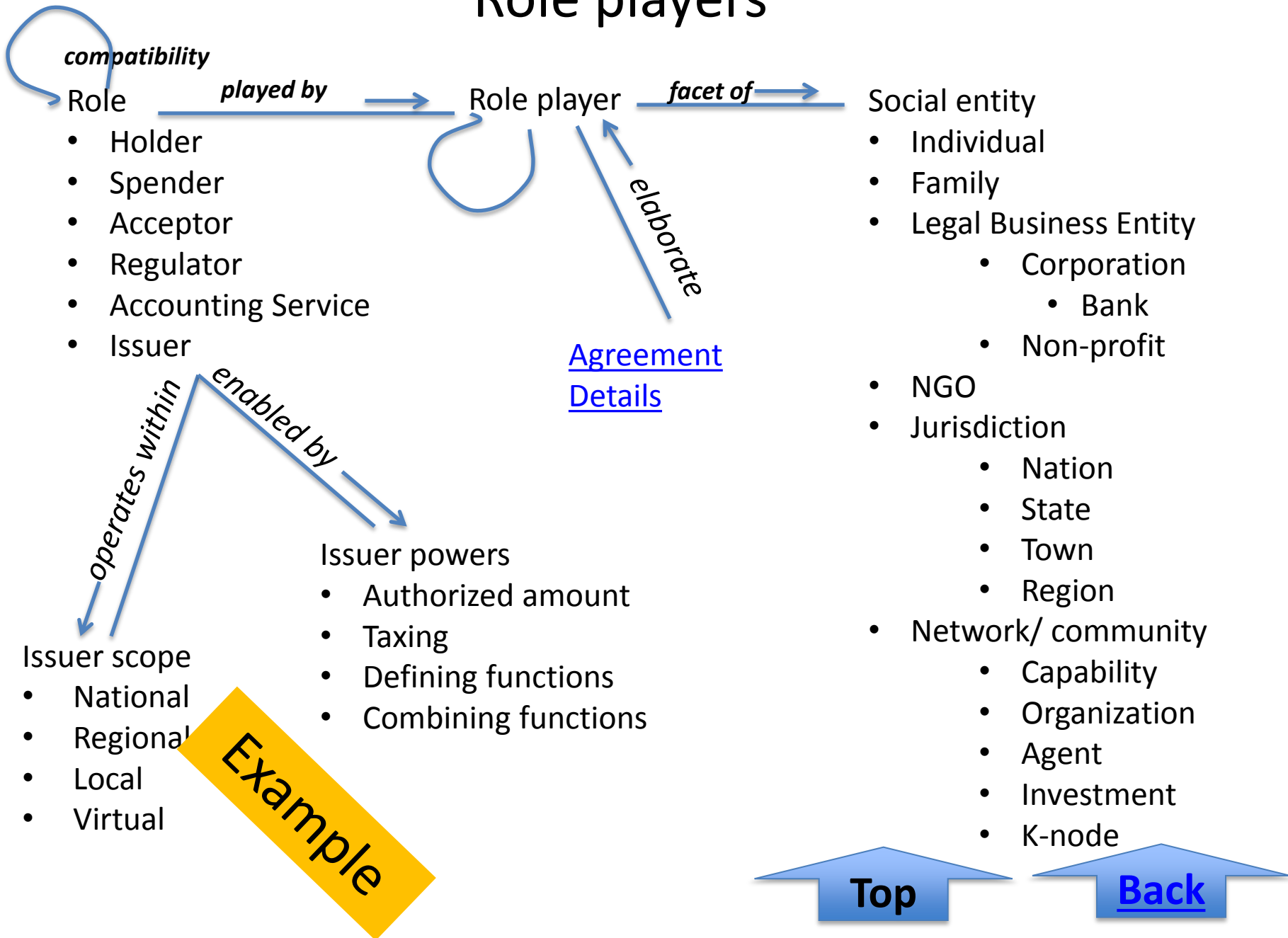


Example

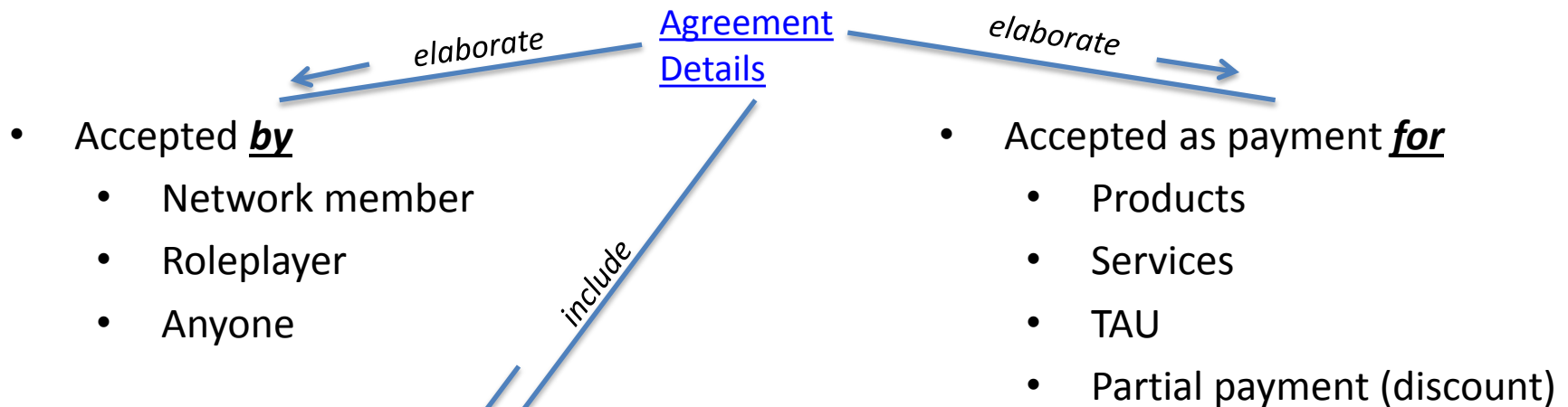
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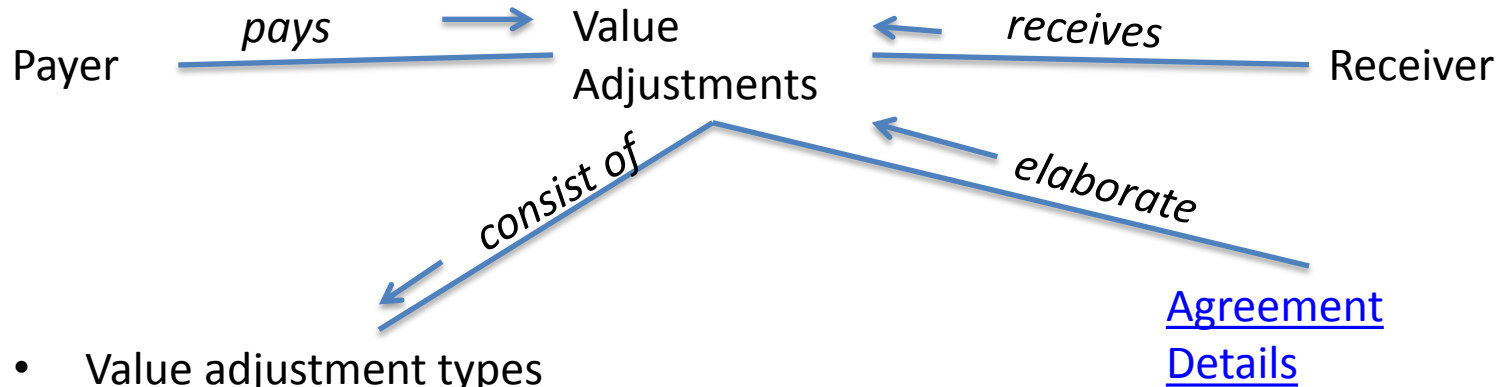
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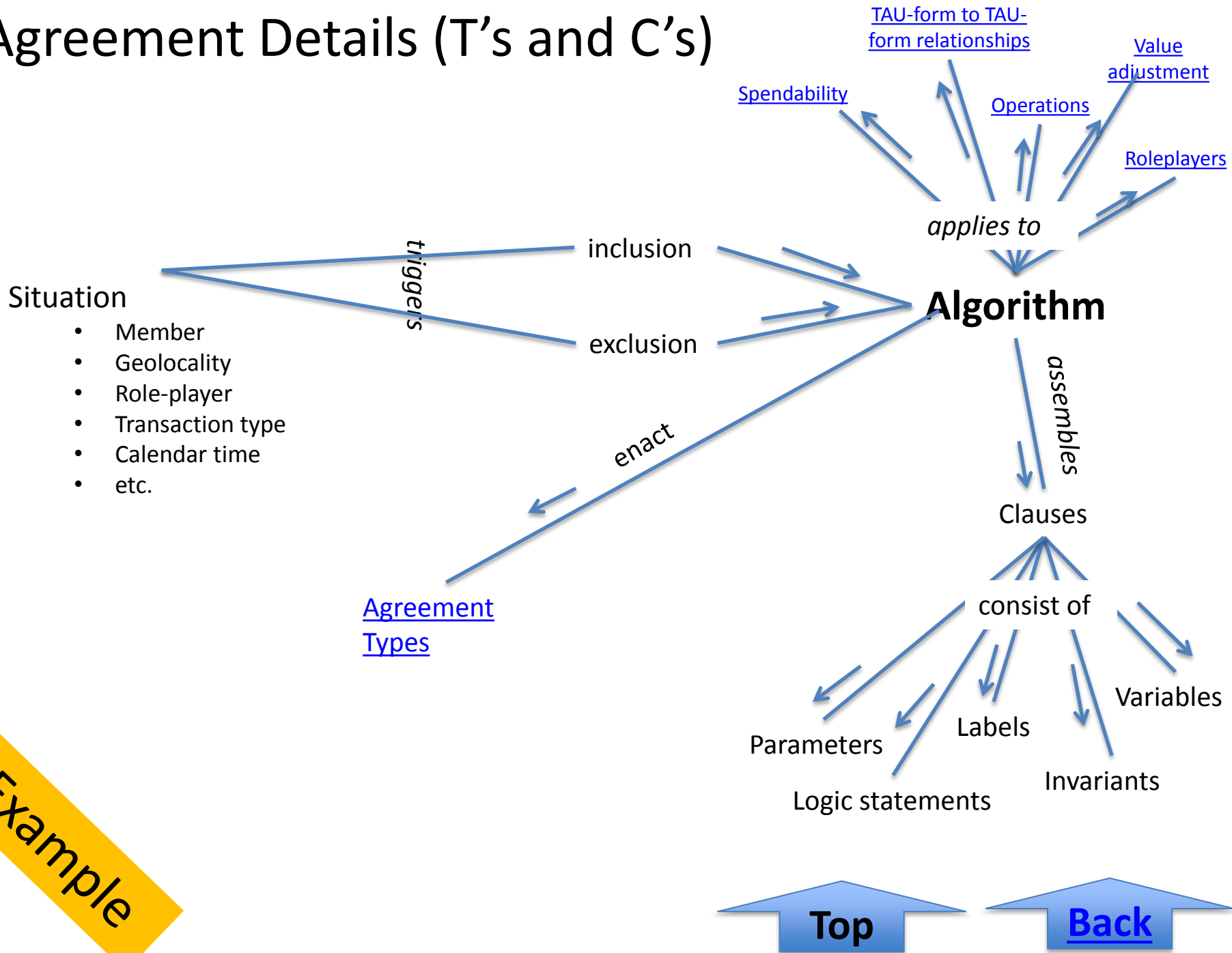
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Example

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