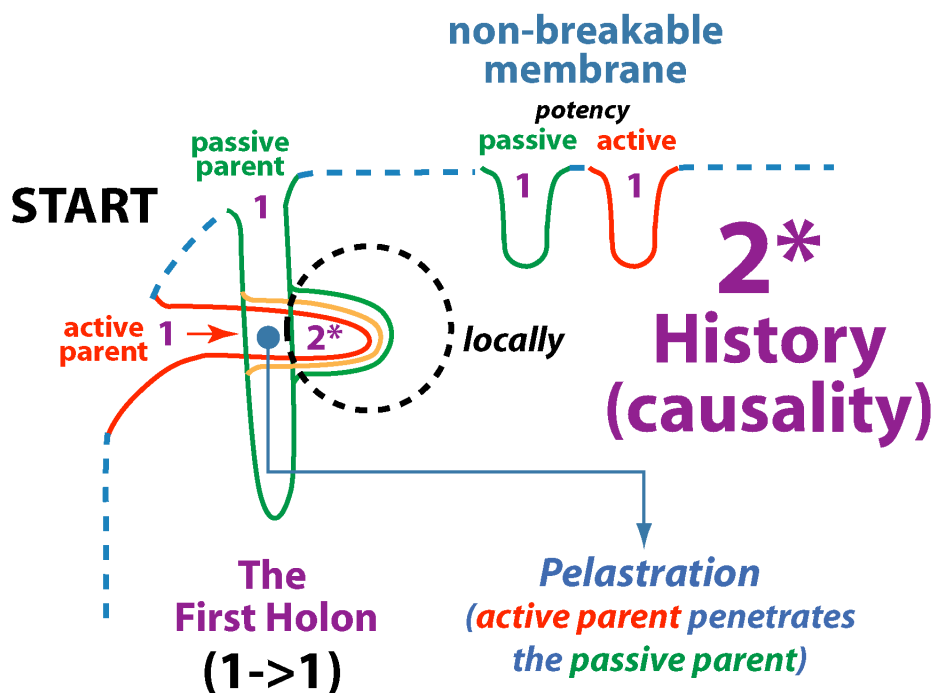


e-Book

CAUSALITY AND TOPOLOGICAL HOLONS

.... building complexity from a single membrane



by Dirk Laureyssens

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www.mu6.com

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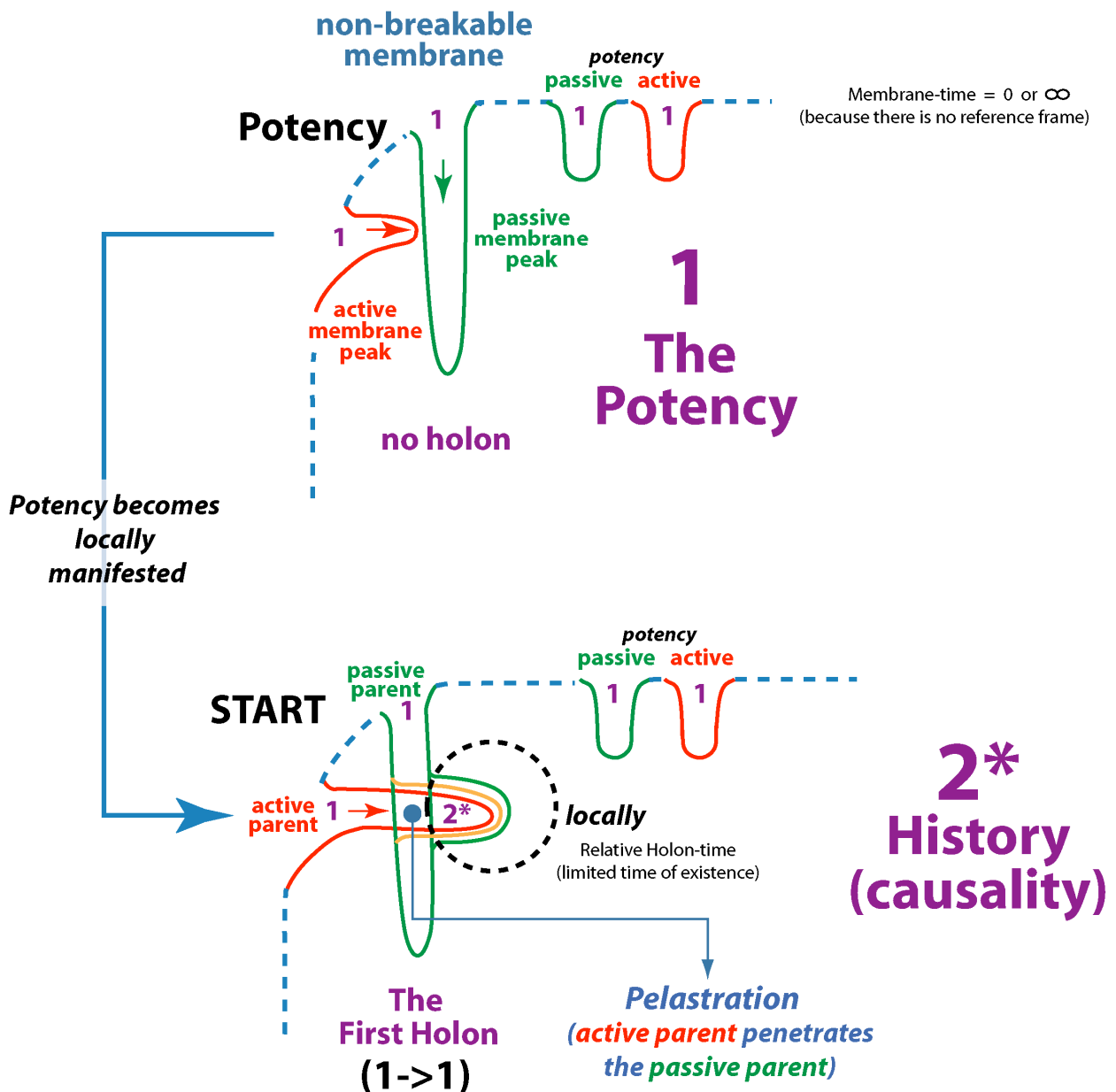
CAUSALITY (History) of HOLONs

The Logic Growth (and Decay) of Complexity

To understand the topological holon concept you have to accept only one postulate: There is a non-breakable, very elastic, background which is very dynamic (vibrating). We call that the Membrane. The Key in this approach is the non-breakable property. Since the membrane is indestructible it's local parts (peaks) are acting like independent entities. They can combine on the surface-level or push-away other parts, which results (1) in traditional knots and spirals connections, or (2) in multi-layered zones, which we call holons. Holons are sub-sets of the membrane, and 'live' on the membrane surface or on the layers of parent holons. They are formed by at least two membrane parts (an **active parent** and a **passive parent**) which co-exist and interact on that local spot. The passive parent is always the outside of a holon. The process of infolding is called a **Pelastration** (a penetration which creates more layers). At the end of their existence holons will decay (**de-pelastrate**), when the central backbone parent withdraws.

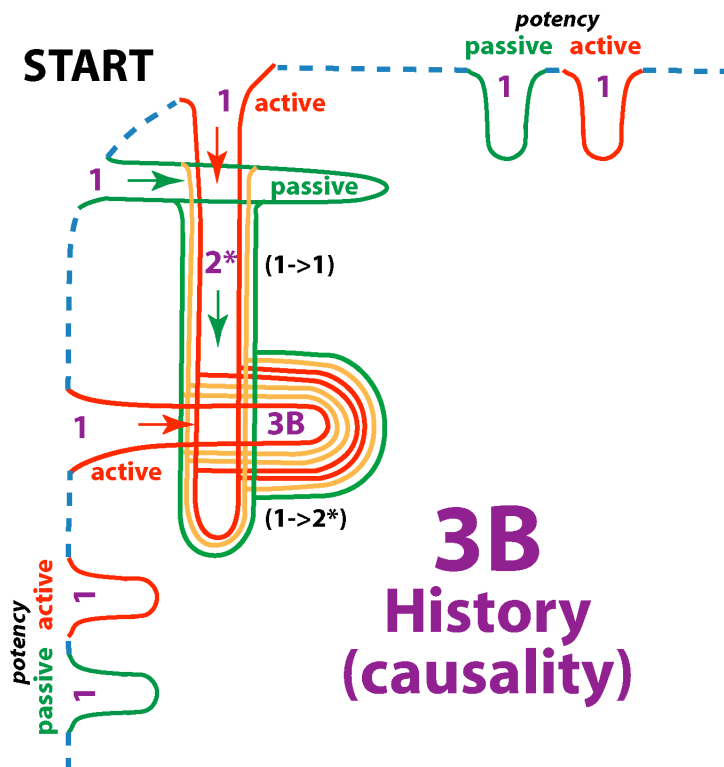
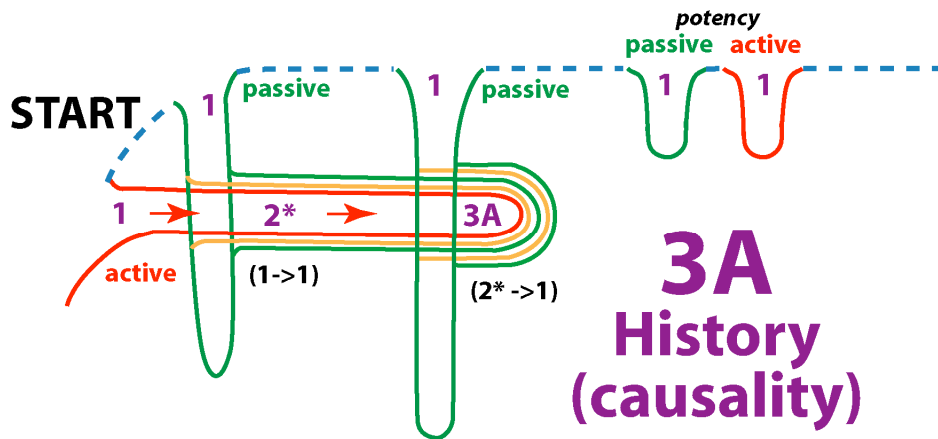
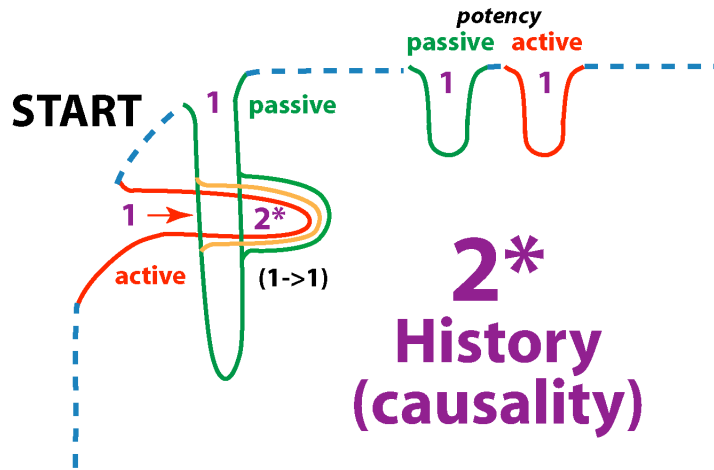
Next we give the history of 22 possible holons. They have EACH a different layering structure. These holons will vibrate (oscillate) each in a unique way, which is **IN-FORMATION**. That information will be send over the membrane.

Therefore: **STRUCTURE is INFORMATION, and INFORMATION is STRUCTURE.**



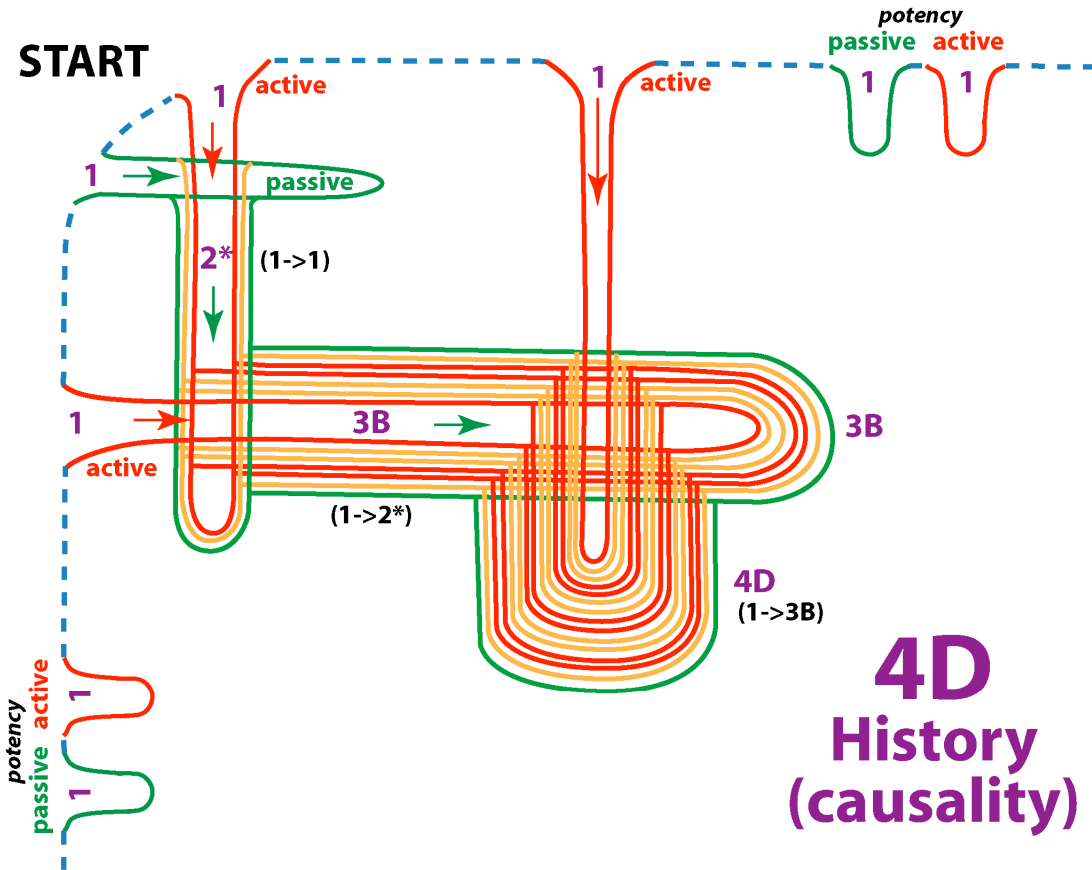
3 FIRST HOLONS

(Catalan Level 2 and 3)

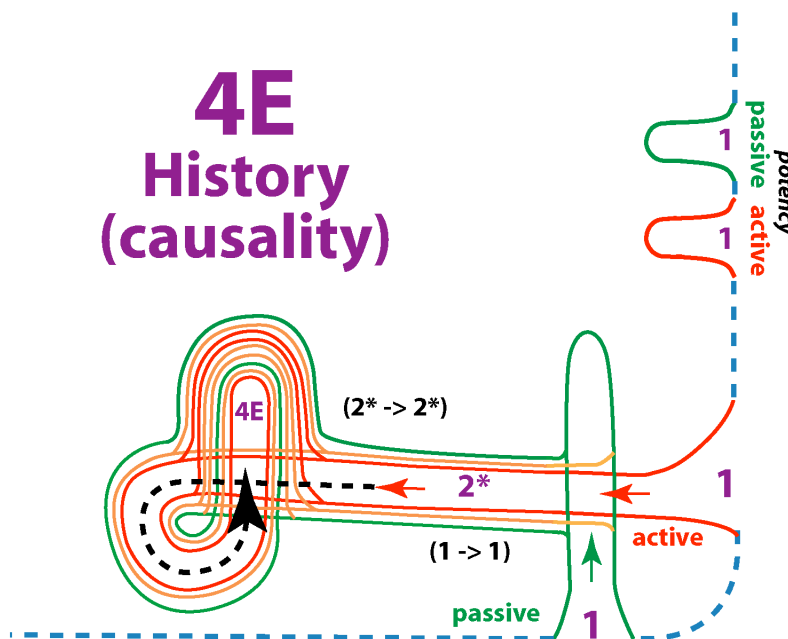


5 HOLONS of the 4-TYPE

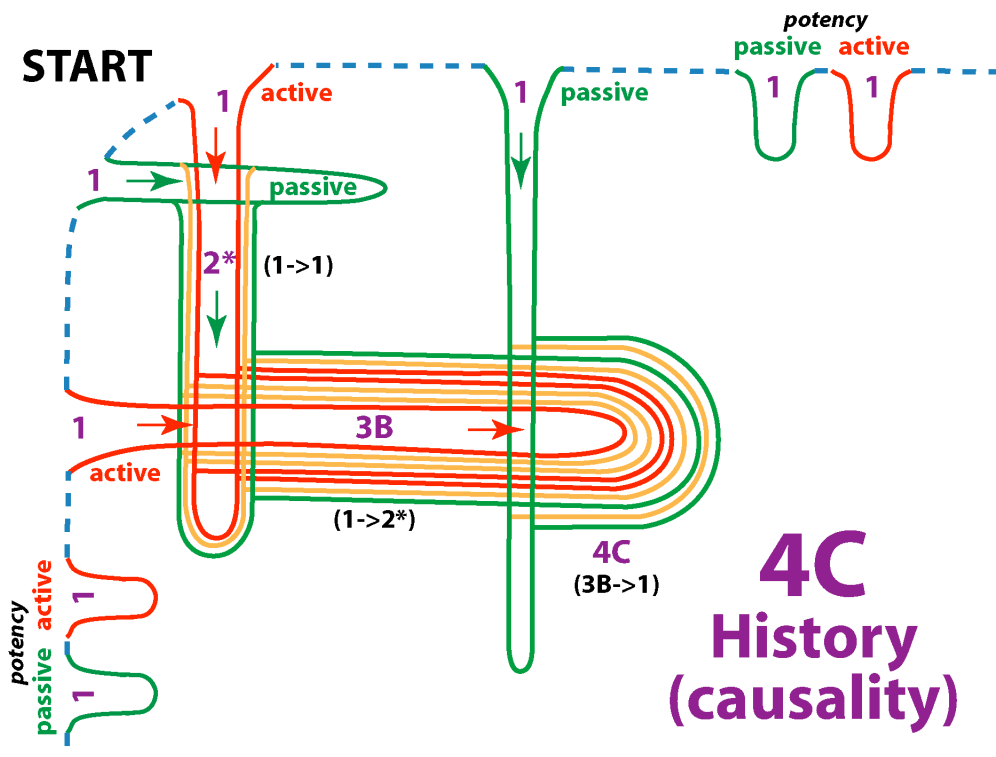
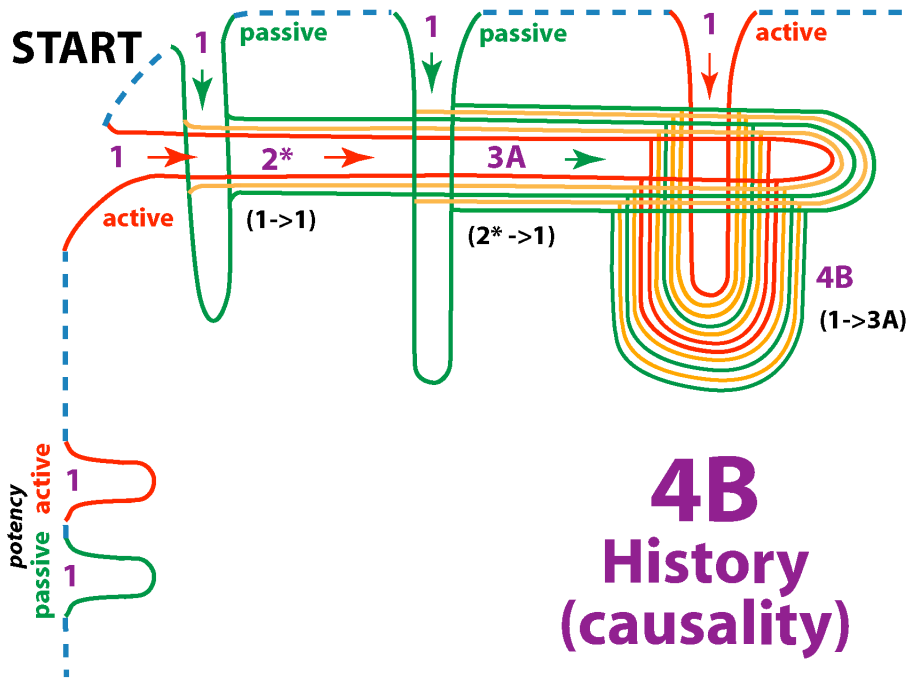
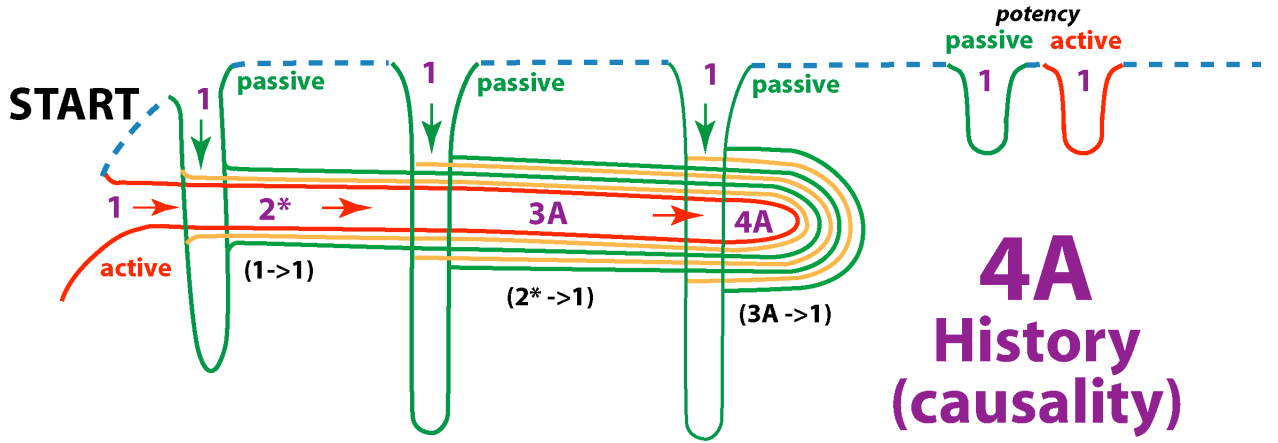
(page 2)



4E History (causality)

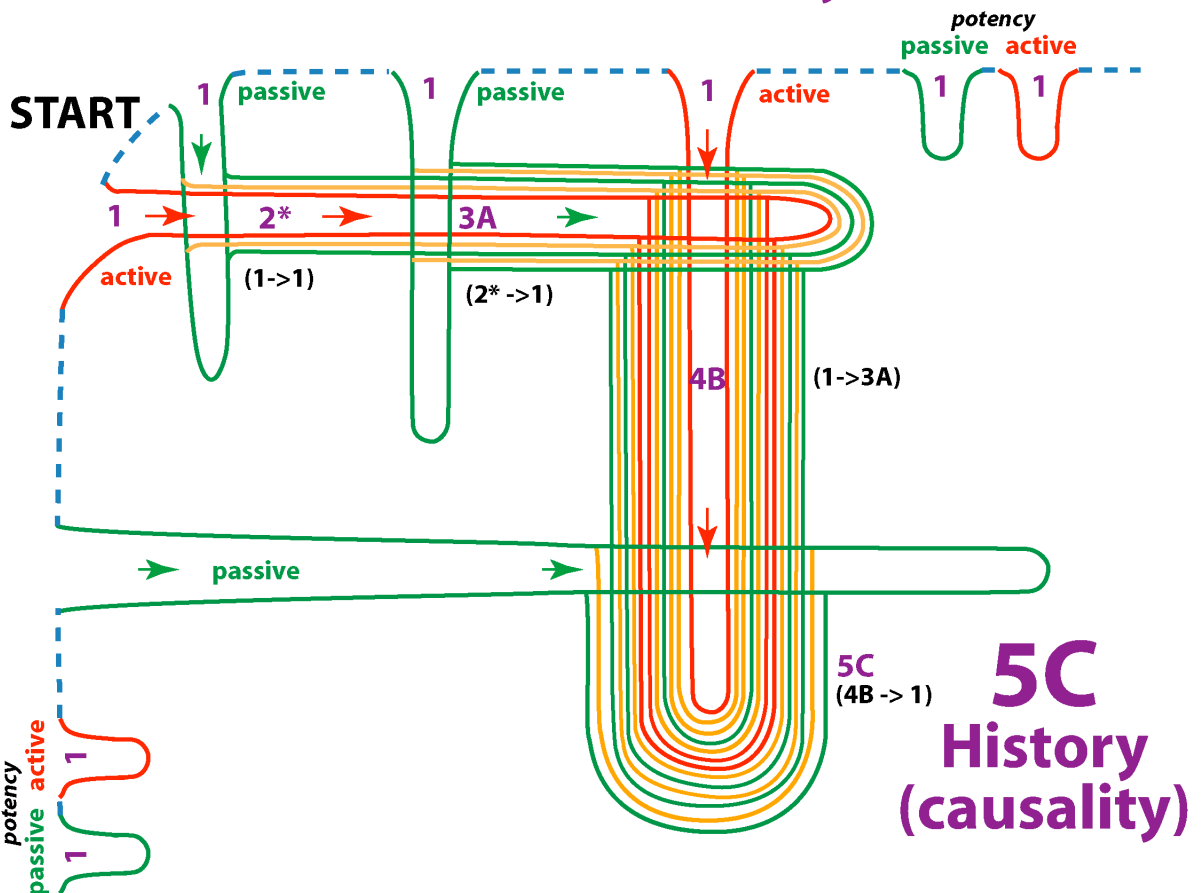
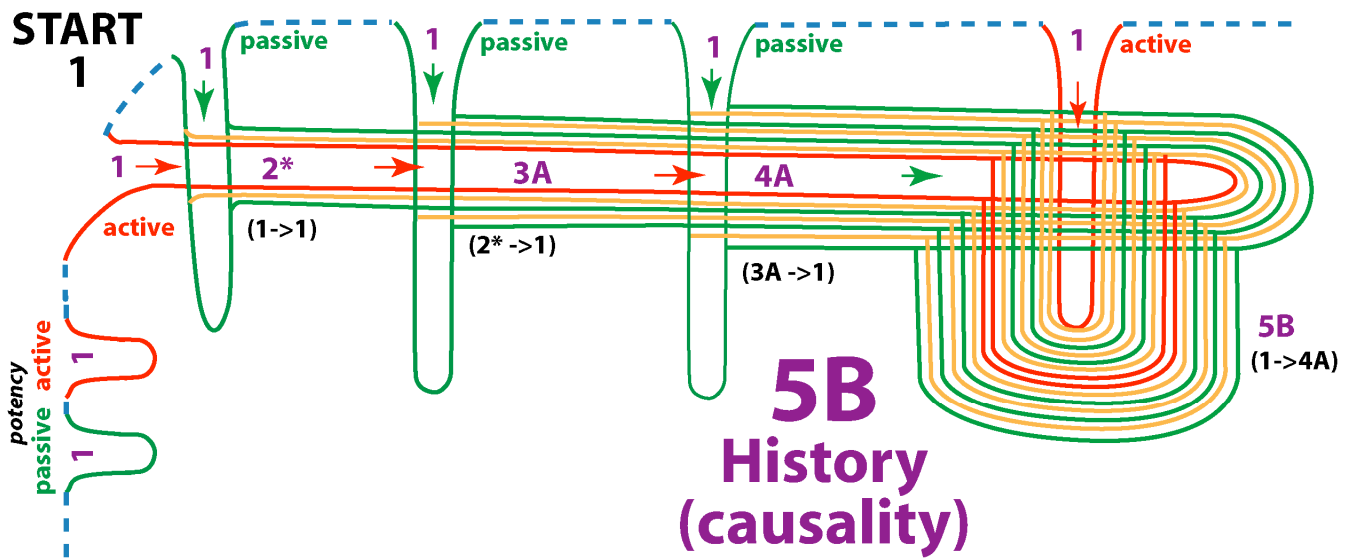
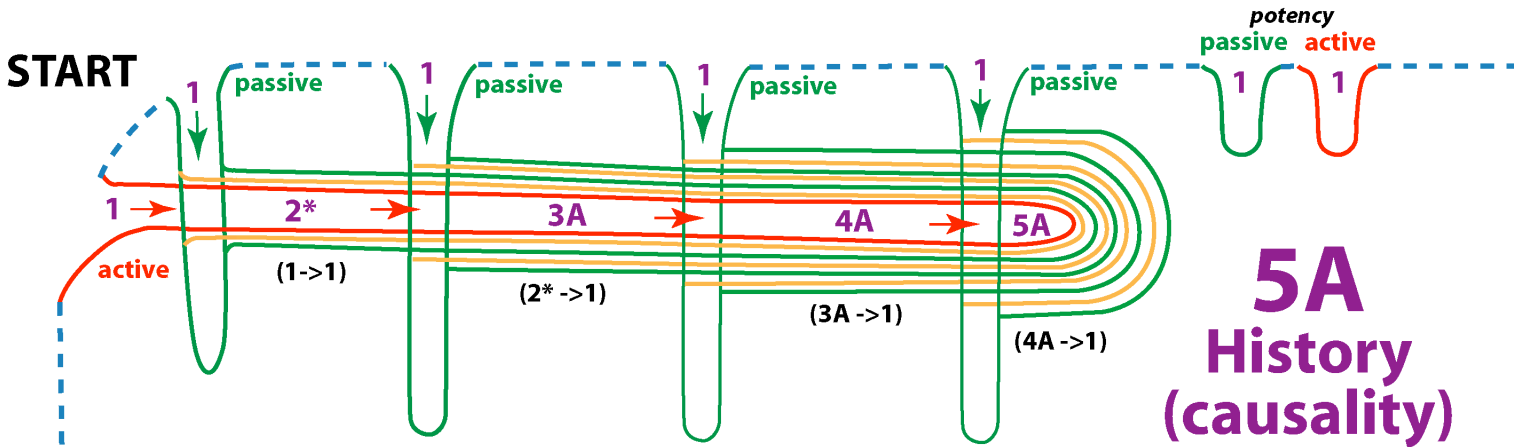


5 HOLONS of the 4-TYPE



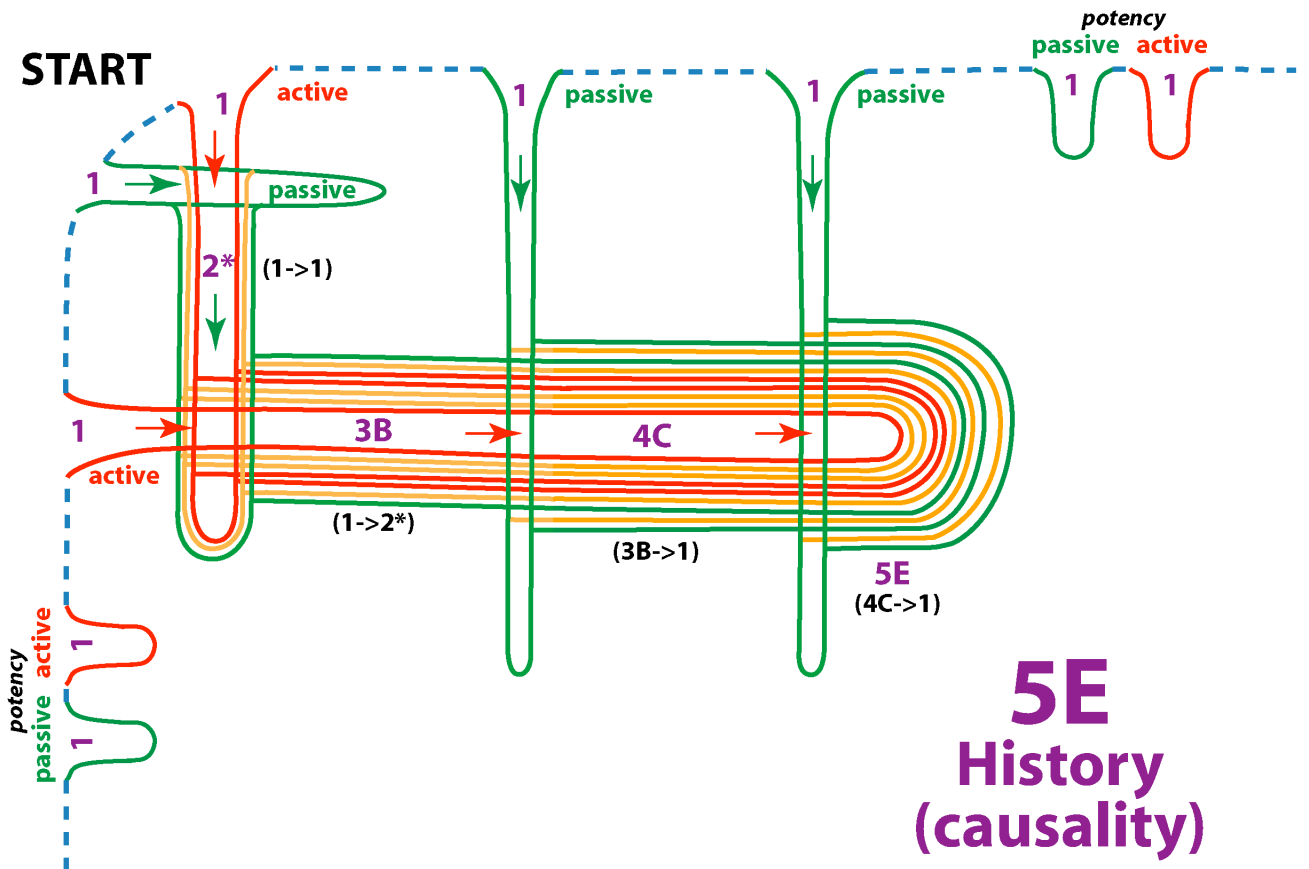
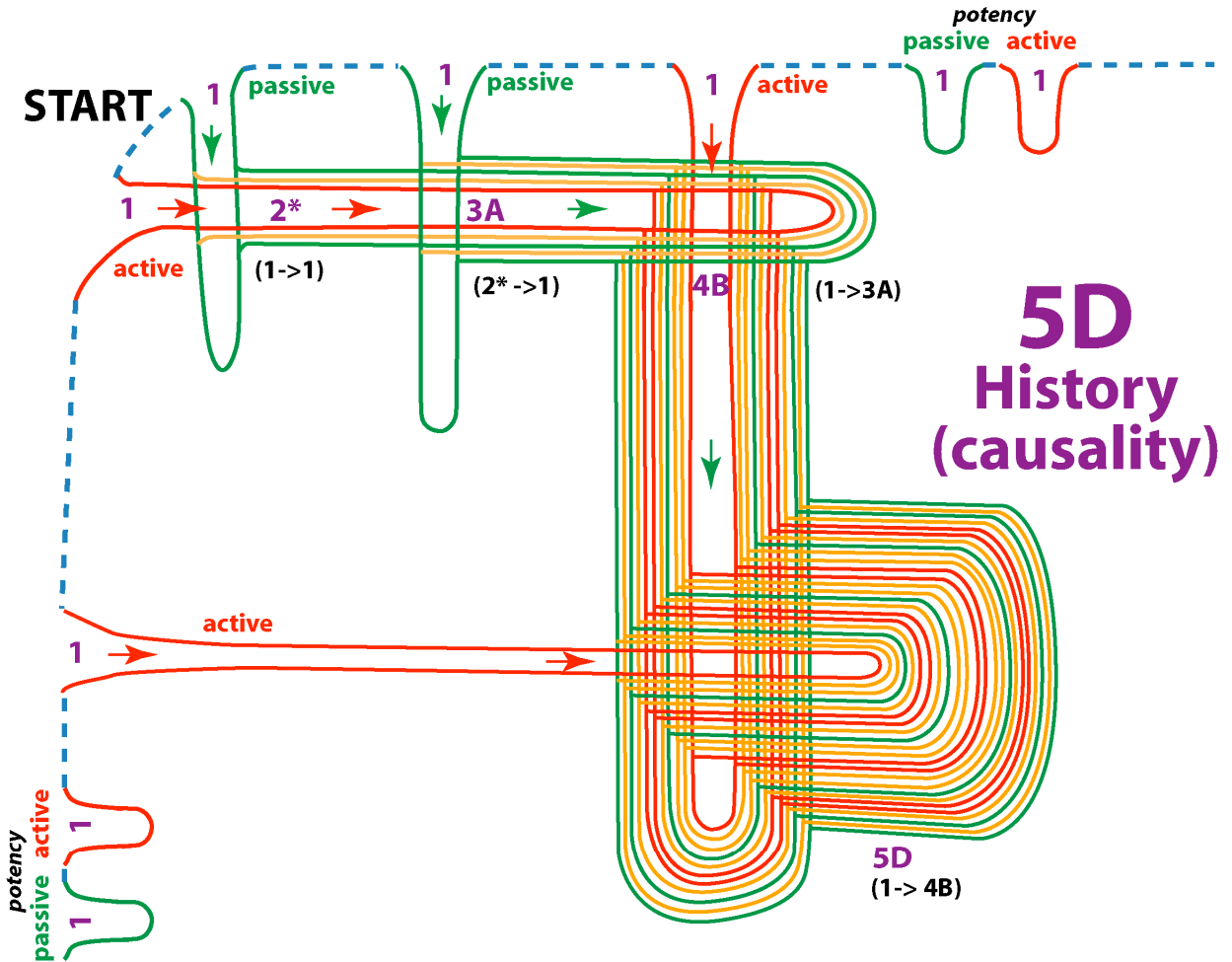
14 HOLONs of the 5-TYPE

(page 1)



14 HOLONS of the 5-TYPE

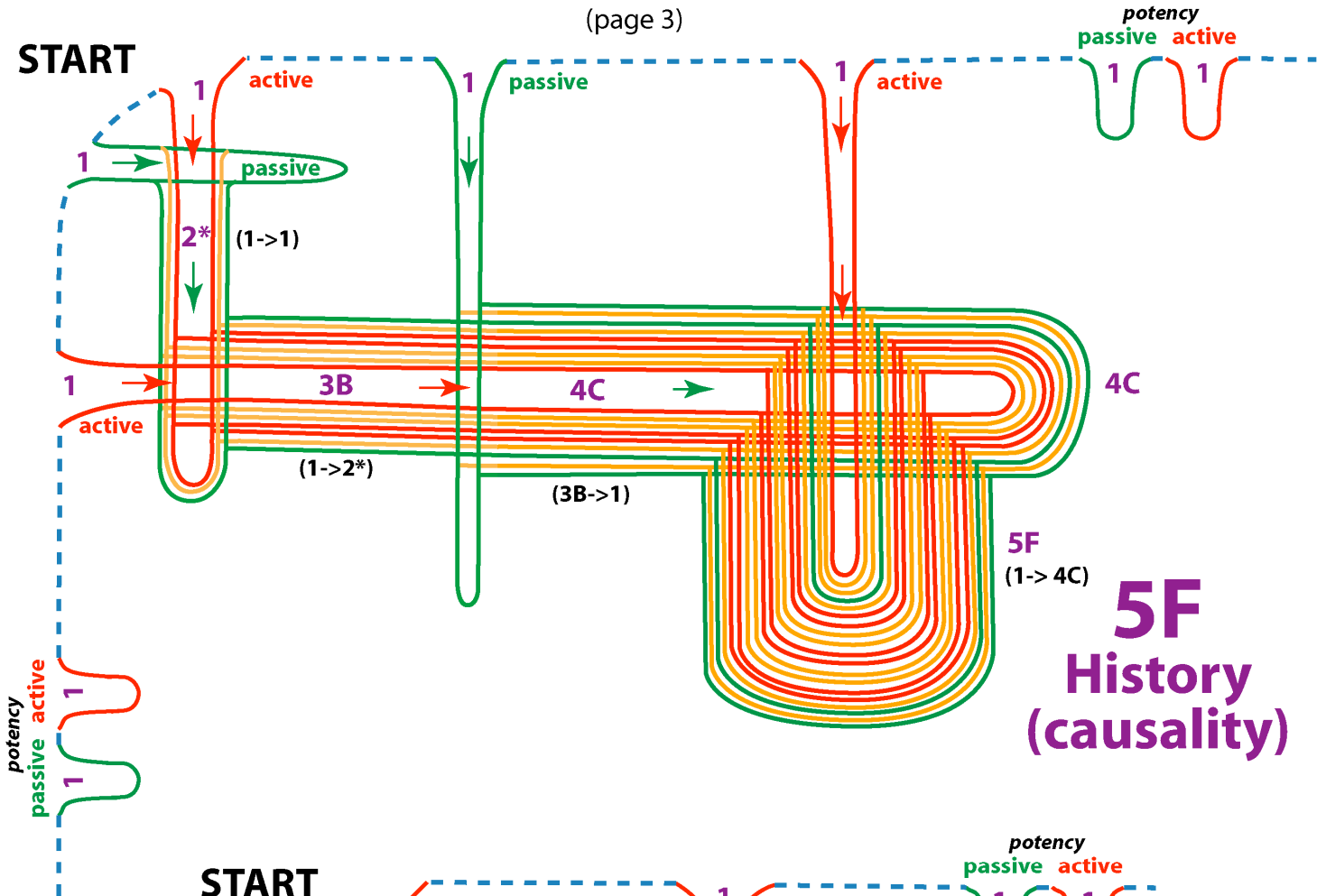
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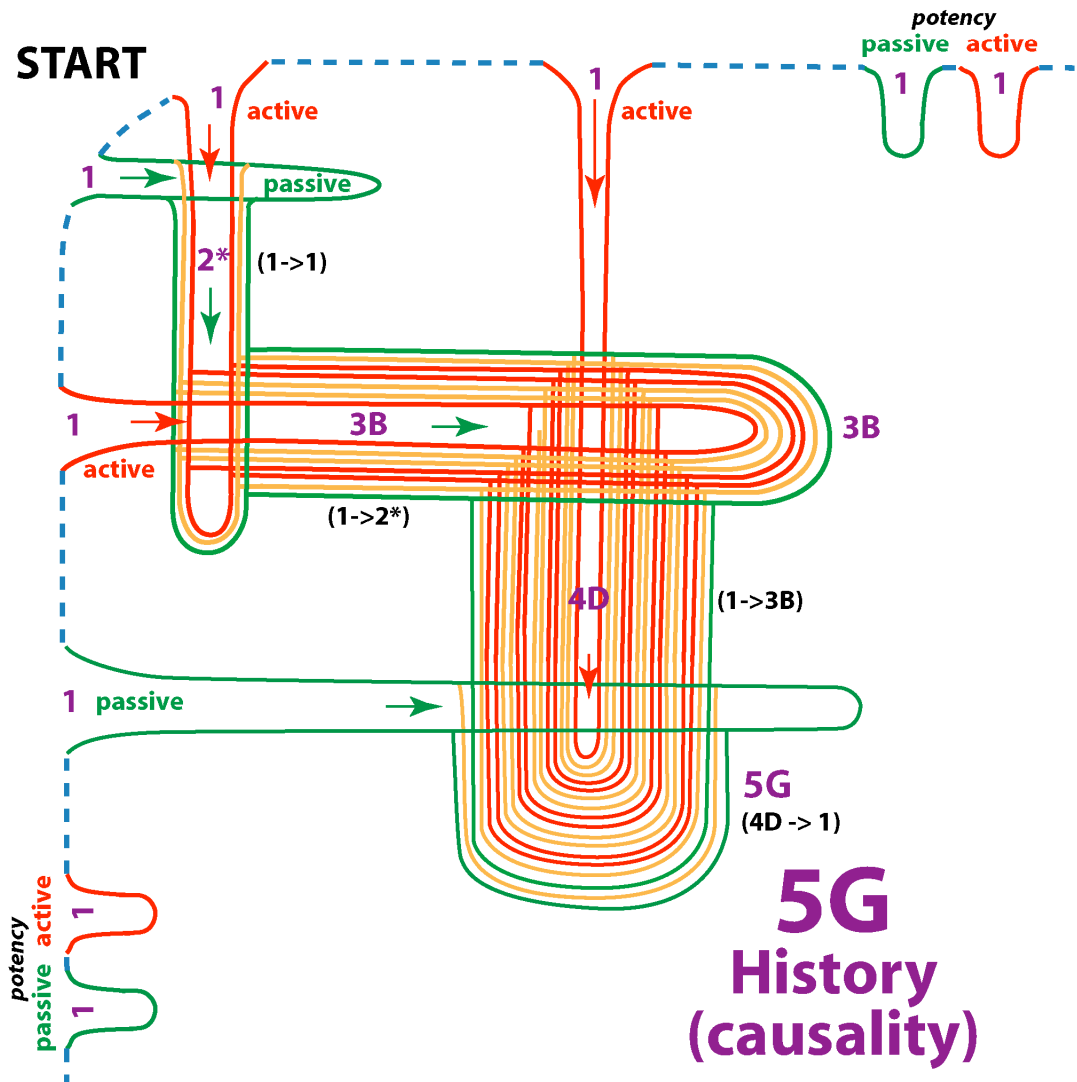
14 HOLONS of the 5-TYPE

(page 3)

START



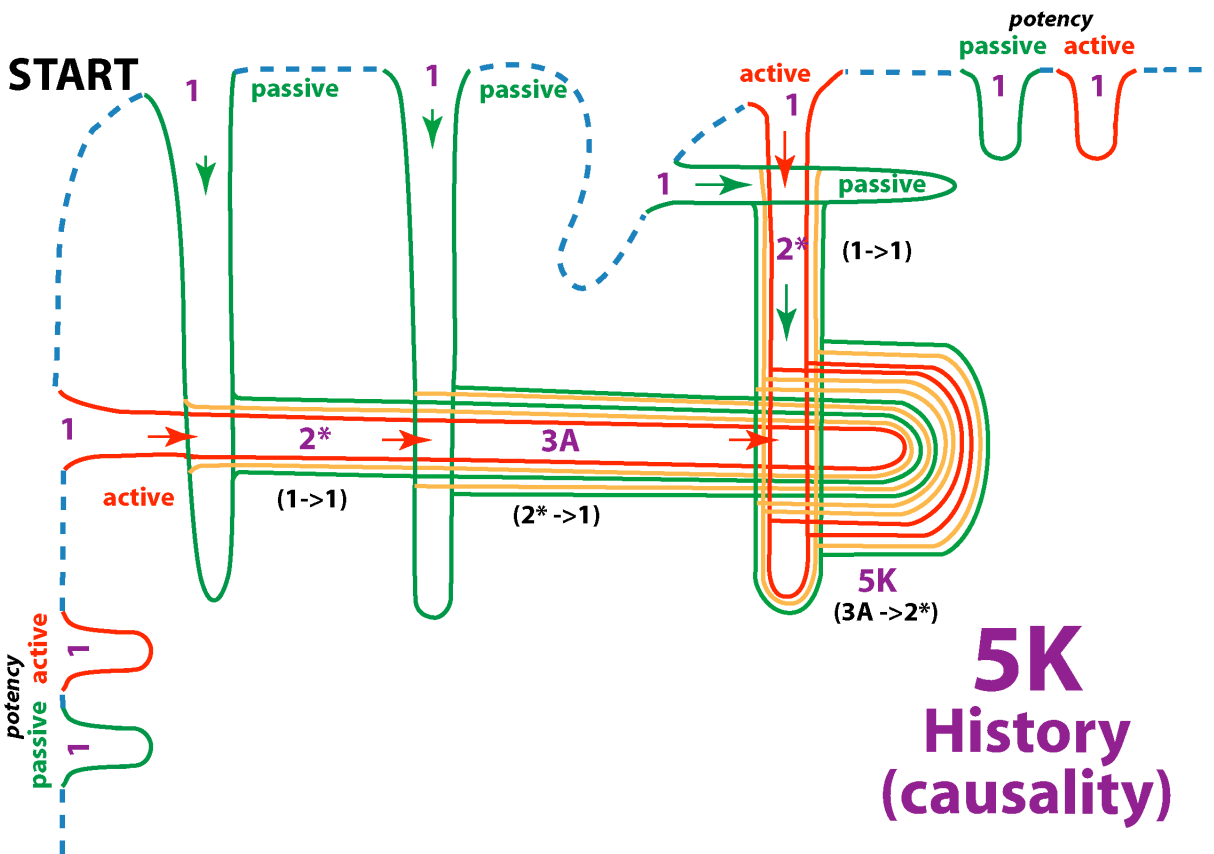
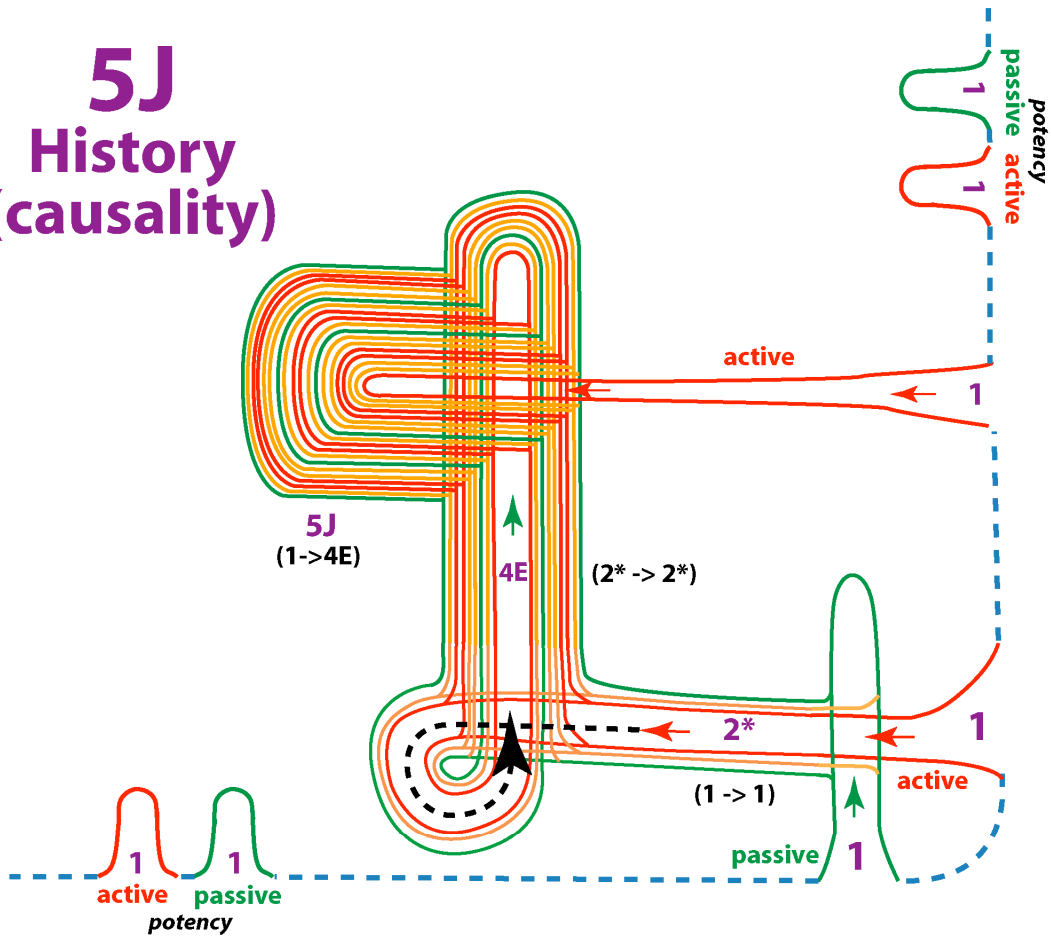
START



14 HOLONS of the 5-TYPE

(page 5)

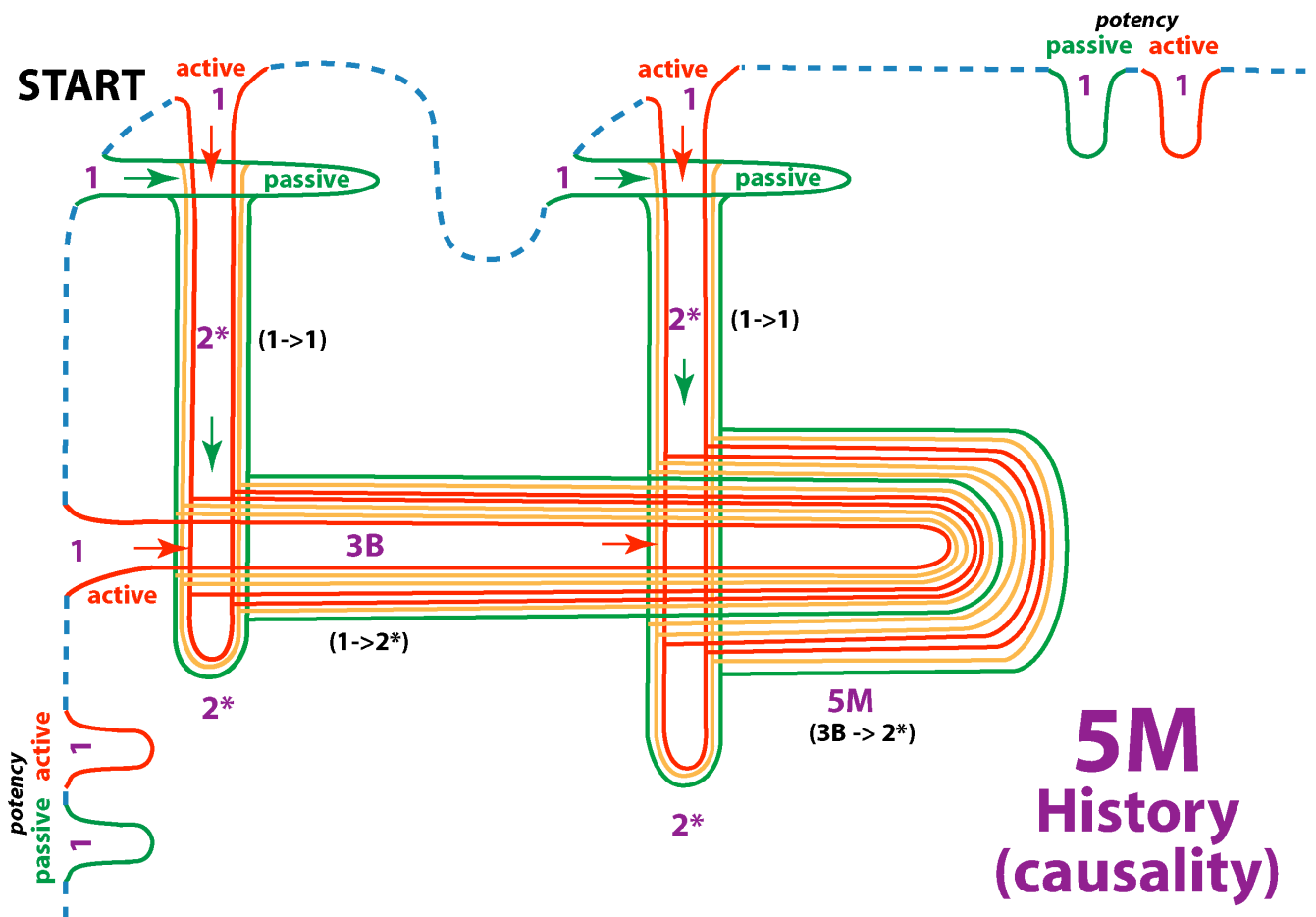
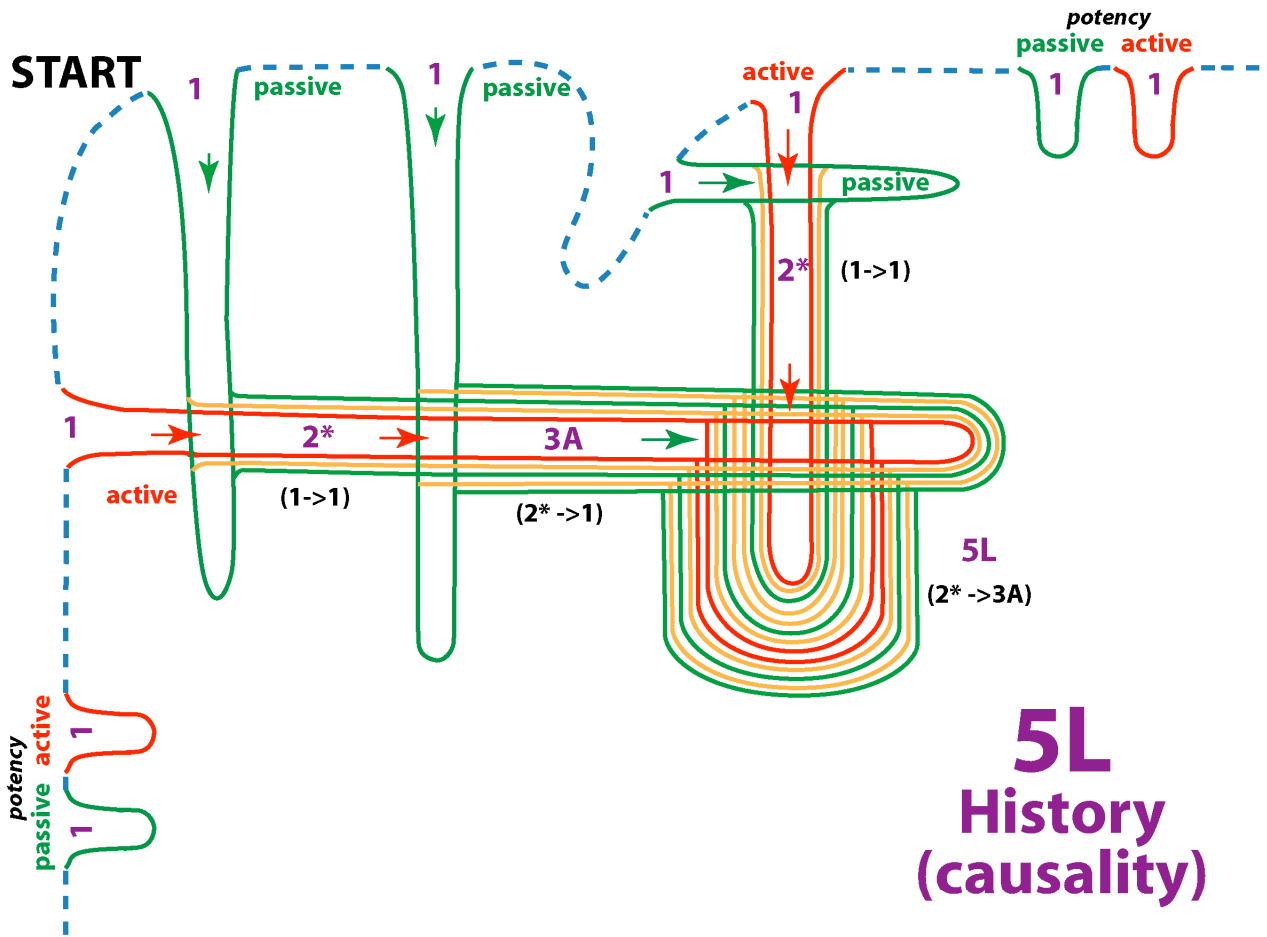
5J History (causality)



5K History (causality)

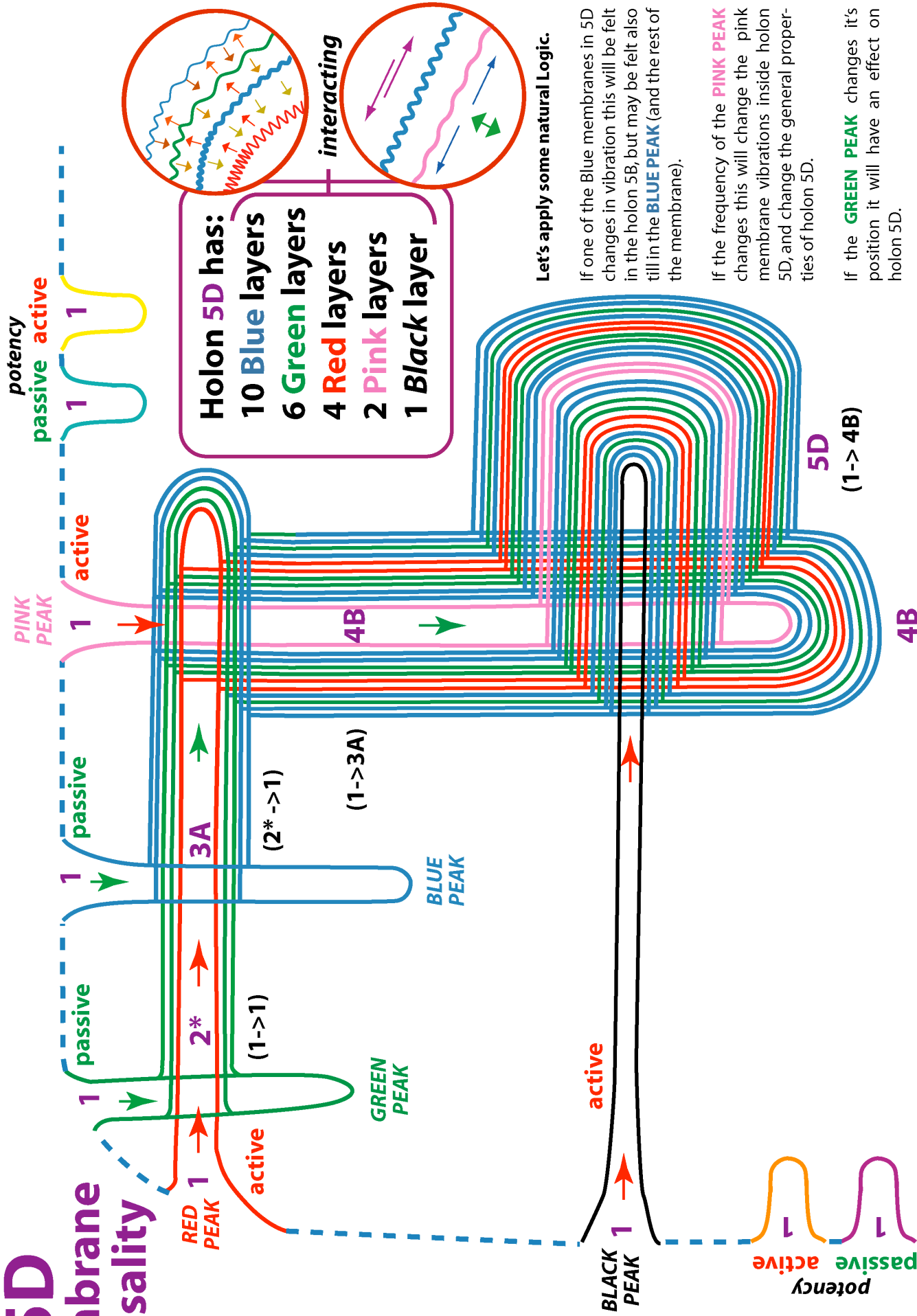
14 HOLONS of the 5-TYPE

(page 6)



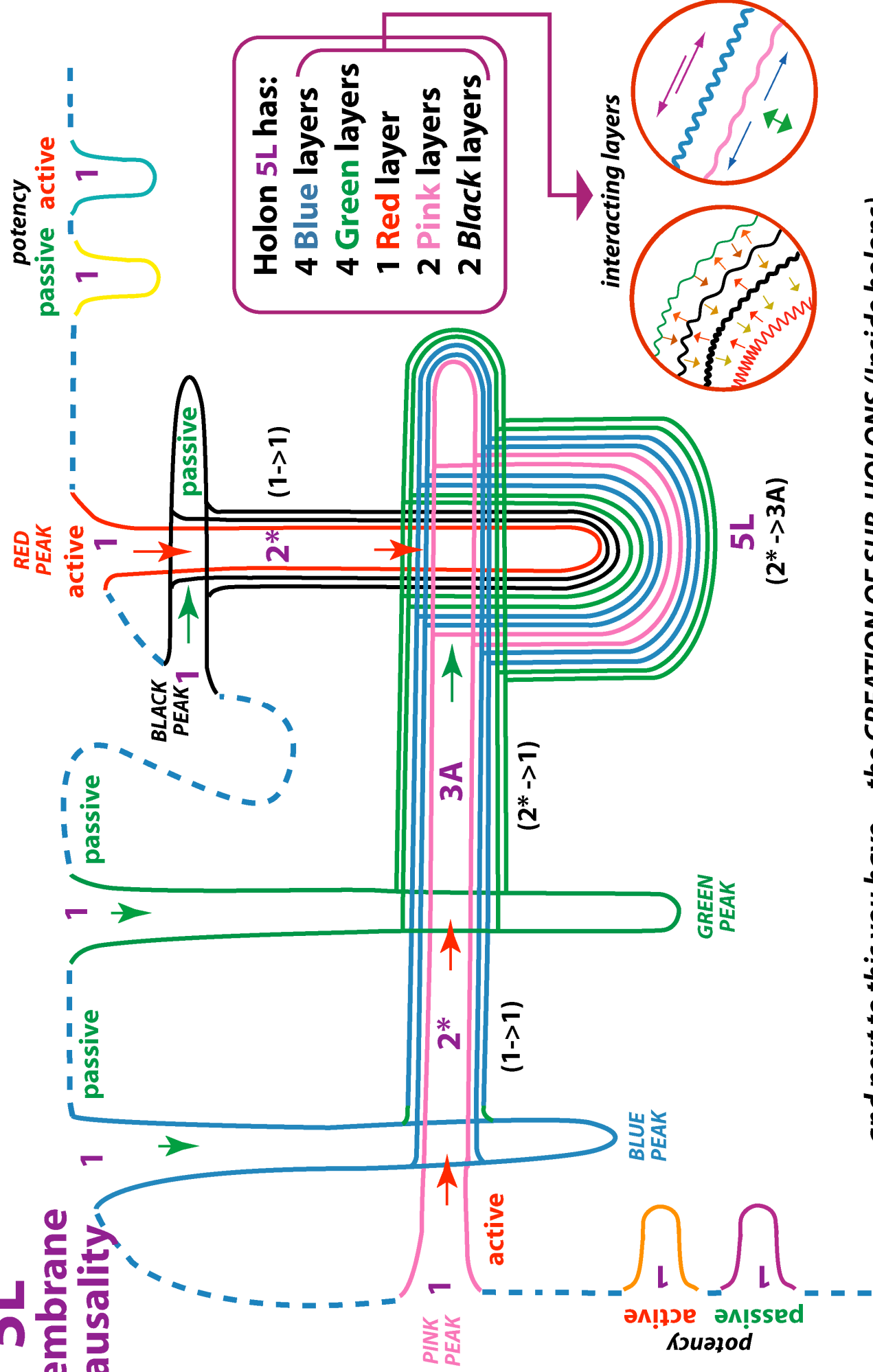
ANNEX: Multi-colored example of the History of a Holon.

5D Membrane Causality



ANNEX: Multi-colored example of the History of a Holon.

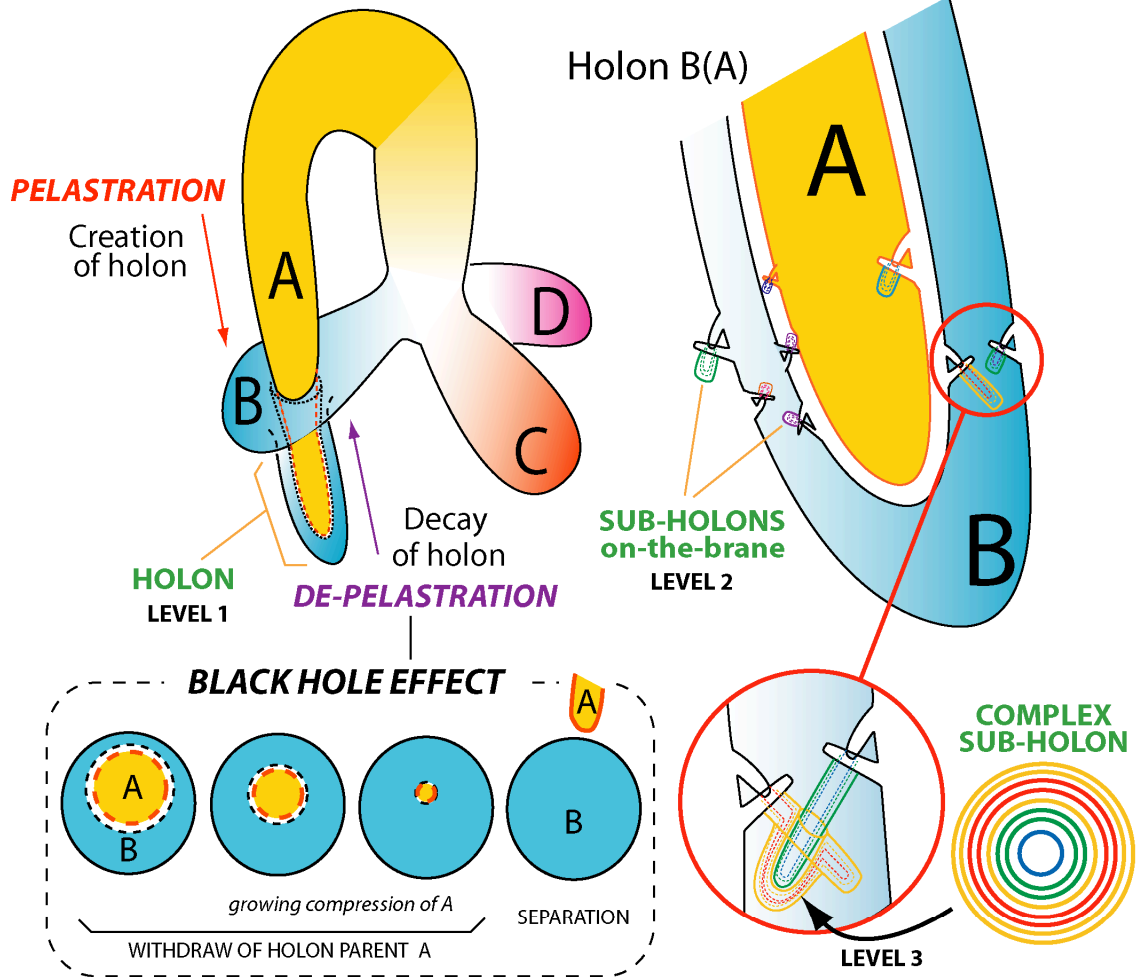
5L Membrane Causality



... and next to this you have ... the CREATION OF SUB-HOLON (Inside holons)
 Indeed holon 5L can create it's own Sub-Holons on it's layers.

AS ABOVE ...

... SO BELOW



... *HOLONS* have each *SPECIFIC LOCAL INFORMATION (In-formation)*

DYNAMICS INSIDE HOLONS

