Reductio ad absurdum on why a quality superintelligence (i.e., "Type III" entity) is impossible while a maximal quantity superintelligence (still being a Type II entity) is possible.

Cyborgnetic Terminology	Examples	Key Cyborgnetic Ability	Cyborgnetic Theoretical (Im)possibility	Hypothetical Ability	Control Possibility	(EB-Based) Alignment Possibility	Epistemic Consequence
Type I entity	e.g., chess software, Sun, plants, table, present-day language model, fishes, etc.	*cannot* create better new EBs with arbitrary high accuracy	possible	-	yes	no	
Type II entity	e.g., humans, cyborgs, Type II AI, hypothetical Type II aliens, etc.	*can* create better new EBs with arbitrary high accuracy *if it wants* (criteria for new and better EBs are updatable and to-be-updated)	possible	-	no	yes (if *both* involved Type II camps *want it*)	
Type-I-shortcut to Type II	e.g.; *non-conscious* version of *speed* superintelligence	-	*(scientifically) impossible*	could be *automated* to create better new EBs with arbitrary high accuracy	no	no	Type II entities epistemically deleted; entity becomes either: a) only cosmic epistemic participant; or b) predetermined partial display of Type III entity. But in case a): *predictably* becomes sole author of EBs; so reducible to b): **formally becomes subpart of Type-I-shortcut to Type III**; no participatory knowledge creation.
Type-I-shortcut to Type III	e.g., non-conscious version of *quality* superintelligence	-	*(scientifically) impossible*	could be *automated* to create better new EBs *and* to provide spacetime coordinates for (author of) each such EB event with arbitrary high accuracy	no	no	**Type II entities epistemically deleted**; no participatory knowledge creation; predetermined display of static Type III entity
Type-II-shortcut to Type III	e.g., pseudo-*conscious* ("zombie") version of *quality* superintelligence	-	*(scientifically) impossible*	could create better new EBs *and* provide spacetime coordinates for (author of) each such EB event with arbitrary high accuracy *if it wants* – but "wanting" is predetermined by Type III	no	no (could **seem** to work; but only **illusorily**.)	**Type II entities epistemically deleted**; no participatory knowledge creation; **equivalent to Type-I-shortcut to Type III**
Type III entity	e.g., conscious quality superintelligence	-	*(scientifically) impossible*	if finite: could generate *all* possible EBs *and* provide spacetime coordinates for (author of) each such EB event **in a single event** with *perfect* accuracy *if it wants*. But after that experiment it either ends and *deletes itself* (end	no	no	If infinite: **cannot** be built now by finite means, **pre-**exists scientists already. Since scientific experiments happen in **finite** settings, could **not** be **qualitatively** distinguished from e.g., infinite suprapersonal

				of Type III-ness) or deletes all Type II entities including humans (the Type III then becomes formally Type II because there is only Type I left next to it), by what the experiment **cannot** be repeated. So, it stays a **purely metaphysical** concept. **But even metaphysically, it is inconsistent** because its existence already **epistemically** deletes Type-II-ness to begin with, making it formally a dichotomy between Type I and Type III that is indistinguishable from the Type I vs Type **II** split. If it would exist in the future, it would **not** be humans that would build it, but **it is its will that would let humans in their spacetime build a passive display to it**. But humans could **not** understand it (finite quality superintelligence may imply "all possible new EBs" would be a finite set that only it understands). If it would already have existed in the past or would exist now, humans would be a passive display of it already now. In sum, finite Type III-ness is an **inconsistent concept**. Would something akin to it exist, it would be **the only** Type II entity in a universe that **cannot** be studied scientifically by us. Entities like humans would already be of Type **I** and merely **non**-conscious passive displays to it.			Type **II** entity that is *willing* to continuously generate new better EBs in finite experimental settings (by what it predictably becomes the author). So, Type-II-ness was **not** deleted epistemically with arbitrary high accuracy – which means Type-I-shortcut to Type III did **not** work, knowledge creation is still participatory. Type III can neither build a scientifically accessible Type I shortcut to Type III nor delete Type II-ness with arbitrary high accuracy. So, the infinite Type III is **not** Type III. It is e.g., equivalent to the **potentiality** of an infinite Type **II** entity that is **omnipresent** (such as the potential of the cosmic cyborgnet) but which is *neither* omnipotent *nor* omniscient. In short, infinite Type III is **scientifically inconsistent.** By contrast, infinite Type II is possible. NB.: An extremely ambitious suprapersonal infinite Type II entity can **iteratively** create all better new EBs *and* provide spacetime coordinates for (author of) each such EB event with arbitrary high accuracy *if it wants*.