Rink: Lödel's Incompleteness Theorems can be formulated for the finitist point of view. Assumption: You are at least a formalist who has decided to stay. If not... + We must then be hovert about 3 things

- 1) Formal logic is developed twice: \$ -> Meta -> ZFC
- 2) We assume ZFC is ansistent by contradiction (ZFC) (ZFC)).
- 3) Theorems are in principle formal theorems of ZFC. (because as one will translate Andin to such a thing)

3 The Axium of Choice

you fogot

+ ZFC = ZF + AC. Let us play u/ this by considering the following?
?: Mony ZF proofs say "choose x st. q(x)...". More formally,
∃ x q(x), ∀x (q(x) => 1) - 1
This resolves to
∀x (q(x) - 1), -1 - ∀x - q(x)

where any notion of choice consider.

* This will validate the "EI rule" (Lemma 2.11.8, Kunen 2012).



Ch. 4: Recursion Theory
Defn:
$$C \subseteq \omega^{\omega}$$
 is the set of computable functions (e.g., in the
sense of Twing)
* for as, computability of a function $f: D^n \rightarrow D$ is one that loads
in D after fluite time.
Defn: A velation \mathbb{R}^{ED} decidable if $\exists a$ "computable function"
 $D^n \rightarrow \xi T, F S$. $(x, y) \in \mathbb{R} \longrightarrow x \to y$
Defn: Δa will be a set of trivially decidable velations, depending
on D. "D = HF"
Defn: Δ is the subset of Δa subject to decidability.
($D = HF$ "
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Multi: Δf is the subset of Δa subject to decidability.
($D = HF$ "
Multi: Δf is the subset of Δa subject to Δf is Δf , where f is Δf subject
of HF^{n-1} . $\xi(x, f(x)) : x \in HF^n \} \subseteq HF^{n-1}$
Runk: HF^{n-1} is interpret $f \subseteq HF^{n-1}$ as the graph of f .
Plumb: HF is "beyenditorily finite sed" \Longrightarrow each set work of
solution are HF , and the terminative reading in D .
 $\xi = \frac{\xi}{2} = \frac{\xi}$

