

FLEA experimental user interface Defining counts of events

The FLEA experimental interaction window for definition of counts is shown below.

🛢 Define a relation to COUNT event occurrences / contents 💶 🗙		🛢 Defined Events, Relations and Predefined			
NAME for relation		Even	ts	Relations	
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definition under construction	<-				
Calification and a Construction	nay the counts				
(defrei <name> :definition ((x) s.c. (= x 0)))</name>	HELP				
	Clear	i 🖣 Monito	r Control Pa	nel 3.0 💶 🗙	
		Define	Notify		
		:e: Set	Query		
	Exit	Exit	HELP		

- ****** The name for the relation being defined is typed into the "NAME for relation" box.
- ** The choice of which events' occurrencies are to increase or decrease the count are made by clicking on one of the events pre-loaded in the yellow box to the right, and then clicking on the appropriate "arrow" button, to load an event into the corresponding "increasers" or "decreasers" box.
- * A GAUGE to display the count can be caused to be created by simply choosing that option.

As these choices are made and information is provided, the textual form of the definition is automatically constructed in large white box towards the lower left. When complete, the user clicks the "OK" button to send this off to the FLEA compiler.

Thus to define a relation named CountLicenses to be the count of the number of AddLicense events minus the count of the number of RemoveLicense events, and to have that count displayed in a gauge, the end result will be a window looking like this:

Define a relation to COUNT event occurrences / contents	. <u>- 0 ×</u>	E	Define
NAME for relation CountLicenses		r	Eve
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decreasers			
(REMOVELICENSE *)			
create a GAUGE to display the	e count /j		
(defrel CountLicenses : definition ((x) s.t.	HELP		
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ນີ້	ОК		Define
		e.	Set
	Exit		Exit
	OK Exit	ie: ni: 	Set Exit

Note that the count of events is a relation, not an event. Later in this license manager example is an illustration of how *changes* to a count relation can be made into events.