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37 a(host, Y) ::
38   whereabout  $\Leftarrow a(\text{visitor}, X)$ 
39   then
40     (null  $\leftarrow \text{location}(\text{Habitat})$ 
41     then
42       in(Habitat)  $\Rightarrow a(\text{visitor}, X)$ 
43       then
44         ((quit  $\Leftarrow a(\text{visitor}, X)$ )
45         or
46         (whichtrait  $\Leftarrow a(\text{visitor}, X)$ 
47         then
48           null  $\leftarrow \text{myTrait}(\text{Trait})$ 
49           then
50             availabletrait(Trait)  $\Rightarrow a(\text{visitor}, X)$ 
51             then
52               ((quit  $\Leftarrow a(\text{visitor}, X)$ )
53               or
54               (whichsize  $\Leftarrow a(\text{visitor}, X)$ 
55               then
56                 null  $\leftarrow \text{traitSize}(\text{TraitSize})$ 
57                 then
58                   size(TraitSize)  $\Rightarrow a(\text{visitor}, X)$ 
59                   then
60                     ((quit  $\Leftarrow a(\text{visitor}, X)$ )
61                     or
62                     (exchange(Amount, Reward)  $\Leftarrow a(\text{visitor}, X)$ 
63                     then
64                       null  $\leftarrow \text{obtained}(\text{Reward})$ 
65                       then
66                         null  $\leftarrow \text{has}(\text{Amount}, \text{Offered})$ 
67                         then
68                           offer(Offered)  $\Rightarrow a(\text{visitor}, X)$ 
69                           then
70                             null  $\leftarrow \text{synthesis}(\text{Reward}, \text{Offered})$ ))))))
71   then
72   a(host, Y)

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