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Nesct
             imput: . a Eransition system (S,R)
                                  · Han annotation function over S
           output the set H' of the annotation functions obtained by applying the component of the commented successor formulas algo:
             = $ 11 set of set of ammobations functions
For s in S do )

S = Ø; "set of ammo taken functions of Stained by applying the successor formulas of H(s)

For f in H(s) do }

if f = X 4 and f is not marked then?

I = Ø "set of ammotations functions obtained by adding 4 to the set of ammotions of. ONE successor of s mark f;

For f im R(s) do)
      For t in R(s) do }

H' = add (H, t, V); //add (I to H(t))

if H' is not patently inconsistent then F = FU \( \frac{H'}{5} \)

if F = \( \phi \) then return \( \phi //No \) completion because f can not be applied

else \( \Sigma = \Sigma U/F\);
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il 5 $ $ then 76 = 76 U151
  115 = & means there is no successor formula in H(s)
     so there is no completion to add
return product (76); // compute the product of the anmotations functions and remove patently imansistent
 product
imput: It a set of set of ammotations functions abdefined over the same set of states 5
output: a set of annotations functions
algo:
       P= 11 76(i)
       S = 0
       For h in P_{sig}(x)

H: s \mapsto Uh(i)

if H is not patently inconsistent then

F = F \cup \{H\}
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return 5