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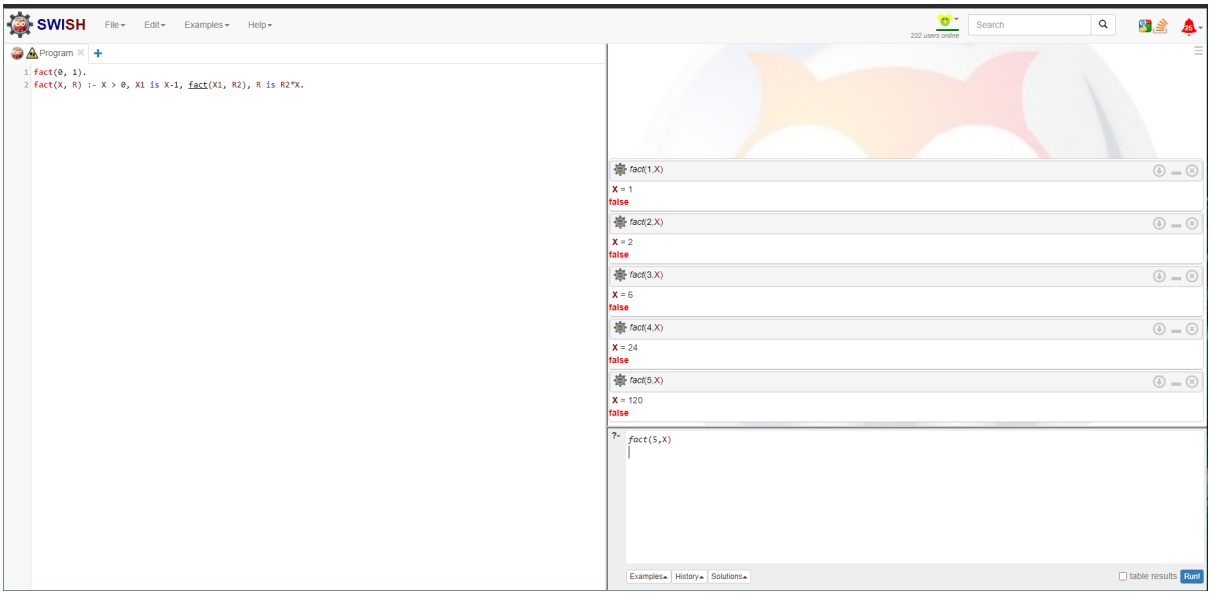
Actividad 5.1 Programación Lógica

7. Write a predicate fact/2 which takes a natural number as first argument, and returns the factorial of the number.

```
fact(0, 1).
fact(X, R) :- X > 0, X1 is X-1, fact(X1, R2), R is R2*X.
```



16. Define sum/2 to take a list of integers as input and return the output as their sum.

```
listsum([], 0).
listsum([Head|Tail], Result) :-
    listsum(Tail, SumOfTail),
    Result is Head + SumOfTail.
```