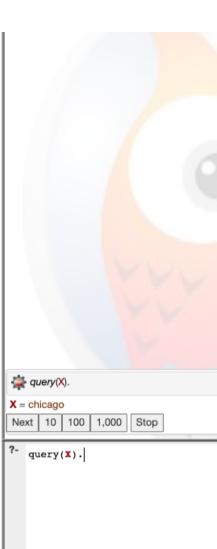
```
grandfather(X,mary).
X = john1
X = peter
false
 grandparent(X,jay).
X = john1
X = sue
X = peter
X = ida
false
 ancestor(X,estelle).
X = john1
\mathbf{X} = \mathbf{sue}
false
 ancestor(X,john2).
X = estelle
X = george
X = john1
\mathbf{X} = \mathbf{sue}
X = peter
X = ida
false
 __uncle(X,mary).
X = rob
false
 brother(X, mary).
X = john2
X = jay
false
 a_pair_of_brother(X,Y).
X = john2,
Y = jay
X = jay,
Y = john2
false
 mother_in_law(X,Y).
X = sue,
Y = george
X = ida
Y = estelle
false
```

```
%QUESTION 2
city(chicago).
city(toronto).
city(detroit).
city(orlando).
city(vancouver).
city(new york).
american(chicago).
american(detroit).
american(orlando).
american(new york).
canadian(toronto).
canadian (vancouver).
airport(chicago, ohare).
airport(chicago, midway).
airport (toronto, pearson).
airport (toronto, bishop).
airport(detroit, wayne).
airport(detroit, city).
airport(orlando, international).
airport(orlando, sanford).
airport(vancouver, international2).
airport(vancouver, coal_harbour).
airport(new_york, la_guardia).
airport(new_york, jfk).
airport(new_york, newark).
hero(ohare).
hero(ohata).
hero(okubo).
hero(mccarter).
hero(hawkins).
hero(harris).
battle(midway).
battle(stalingrad).
battle(berlin).
battle(iwo_jima).
query(C) :-
   airport(C, A), hero(A),
   airport(C, B), battle(B), A -B, american(C).
```





| ∰ fib(X | (,0). | \oplus $=$ \otimes |
|-----------------|------------------|------------------------|
| X = 1 | | |
| ∰ fib(> | (,1). | ③ - ⊗ |
| X = 1 | | |
| ∰ fib(> | (,2). | ③ - ⊗ |
| X = 3 | | |
| ∰ fib(> | (,3). | \oplus = \otimes |
| X = 5 | | |
| ∰ fib(> | (,5). | ④ = ⊗ |
| X = 8 | | |
| ∰ fib(> | (,8). | ⊕ = ⊗ |
| X = 13 | | |
| ∰ fib(> | (,13). | \oplus = \otimes |
| X = 21 | | |
| ∰ fib(> | (,21). | \oplus = \otimes |
| X = 34 | | |
| ∰ fib(> | (,34). | $\oplus = \otimes$ |
| X = 55 | | |
| ∰ fib(X | (,55). | $\oplus = \otimes$ |
| X = 89 | | |
| ∰ fib(X | (,89). | \oplus = \otimes |
| X = 144 | | |
| ∰ fib(> | K,144). | $\oplus = \otimes$ |
| X = 233 | | |
| ∰ fib(> | (,233). | $\oplus = \otimes$ |
| X = 377 | | |
| ∰ fib(> | (,1597). | $\oplus = \otimes$ |
| X = 2584 | 4 | |
| | | |



?- max([1,1000,2,3,4,5], 1000).