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CS 440 Assignment: Prolog Cut Operator

1. Prop:

```
prop(X,R) :- prime(X), R is prime;
             odd(X), R is odd;
             even(X), R is Even.
even(X) :- 0 is mod(X,2).
odd(X) :- not(even(X)).
```

2. Max: If A ; B, the first line fails, attempts to backtrack, and fails the entire search instead of moving on to line 2. The cut should be at the end of the line.

3. Flatten:

```
flatten([], []).
flatten([H|A],[H|A]) :- flatten(A,B).
flatten([L|A],Z) :- is_list(L), !, append(L,A,X), flatten(X,Z).
```