```
?-length([a,b,c],N)
                           length([H|T],N1):-length(T,M1),
                                               N1 is M1+1
                                 \{H->a, T->[b,c], N1->N\}
                           length([H|T],N2):-length(T,M2),
:-length([b,c],M1),
                                               N2 is M2+1
  N is M1+1
                                 \{H->b, T->[c], N2->M1\}
                           length([H|T],N3):-length(T,M3),
  :-length([c],M2),
                                               N3 is M3+1
    M1 is M2+1,
    N is M1+1
                                 \{H->c, T->[], N3->M2\}
  :-length([],M3),
    M2 is M3+1,
                                       length([],0)
    M1 is M2+1,
    N is M1+1
                                \{M3 -> 0\}
   :-M2 is 0+1,
     M1 is M2+1,
     N is M1+1
              \{M2 -> 1\}
    :-M1 is 1+1,
     N is M1+1
              \{M1->2\}
     :-N is 2+1
               \{N->3\}
```