program SUMMER

```
happy \leftarrow summer, warm,

warm \leftarrow sunny,

warm \leftarrow summer,

summer \leftarrow .
```

summer, *warm*, *sunny* are 0-ary relation symbols, i.e. propositional symbols.

A successful derivation of happy: $happy \Rightarrow \underline{summer}, warm \Rightarrow warm \Rightarrow summer \Rightarrow \square$.

A failed derivation of *happy* $happy \Rightarrow summer, \underline{warm} \Rightarrow summer, sunny$