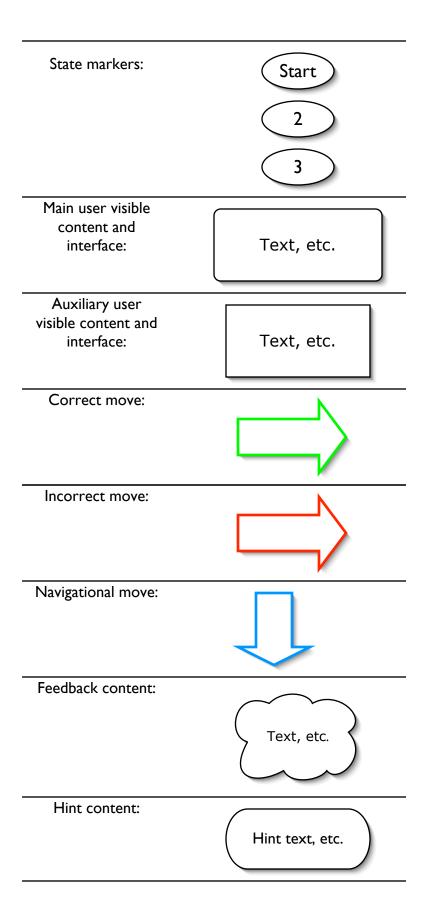
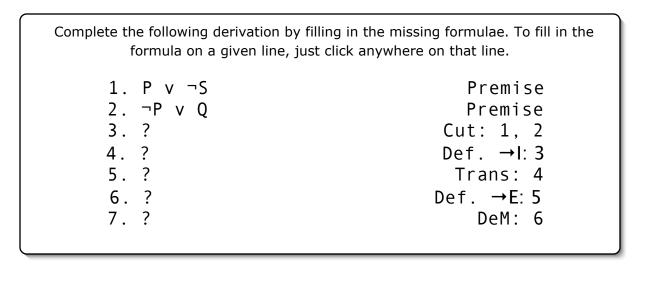
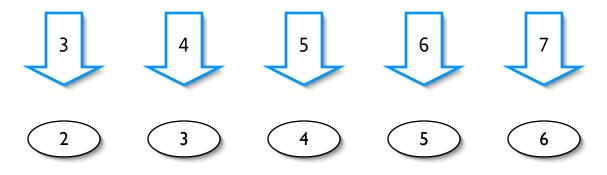
Legend:



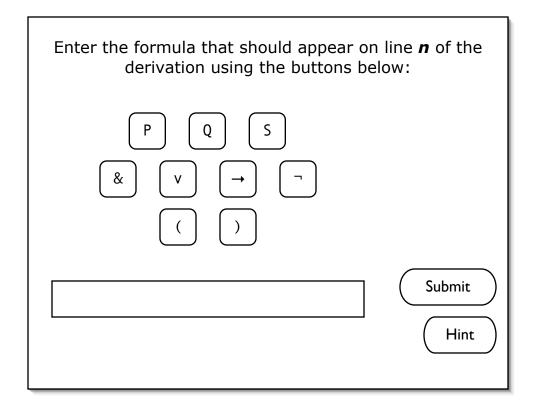




Completed derivation:

1.	P v ¬S	Premise
2.	¬P v Q	Premise
3.	¬S v Q	Cut: 1, 2
4.	$S \rightarrow Q$	Def. →I:3
5.	$\neg Q \rightarrow \neg S$	Trans: 4
6.	¬¬Q v ¬S	Def. →E:5
7.	¬(Q&S)	DeM: 6

Interface for entering formulae:



I've included the ideal version of the interface, here, which contains all and only those symbols actually appearing in the exercise.

