

1:	$P \vee \neg P, \forall x. P \rightarrow Q(x), \forall x. \neg P \rightarrow Q(x)$	assumptions
2:	$P \rightarrow Q(m)$	assumption
3:	$\neg P \rightarrow Q(m)$	assumption
4:	P	assumption
5:	$Q(m)$	assumption
6:	$Q(m)$	$\rightarrow \vdash 2,4,5-5$
7:	$\neg P$	assumption
	...	
8:	$Q(m)$	
9:	$Q(m)$	$\vee \vdash 1.1,4-6,7-8$
10:	$Q(m)$	$\forall \vdash 1.3,3-9$
11:	$Q(m)$	$\forall \vdash 1.2,2-10$
12:	$\forall x. Q(x)$	$\vdash \forall 11$

Provided:

x NOTIN P