

1.	$\forall x[P(x) \rightarrow (Q(x) \vee x=b)]$	Premise	{1}
2.	$Q(b)$	Hypothesis	{2}
3.	$P(a)$	Hypothesis	{3}
4.	$P(a) \rightarrow (Q(a) \vee a=b)$	\forall -elimination1	{1}
5.	$Q(a) \vee a=b$	\rightarrow -elimination3,4	{1,3}
6.	$Q(a)$	Hypothesis	{6}
7.	$Q(a)$	Restate6	{6}
8.	$a=b$	Hypothesis	{8}
9.	$a=a$	=-introduction	{}
10.	$b=a$	=-elimination8,9	{8}
11.	$Q(b)$	Restate2	{2}
12.	$Q(a)$	=-elimination10,11	{2,8}
13.	$Q(a)$	\vee -elimination5,6,7,8,12	{1,2,3}
14.	$P(a) \rightarrow Q(a)$	\rightarrow -introduction3,13	{1,2}
15.	$\forall x[P(x) \rightarrow Q(x)]$	\forall -introduction14	{1,2}
16.	$Q(b) \rightarrow \forall x[P(x) \rightarrow Q(x)]$	\rightarrow -introduction2,20	{1}