

## 2.35.1 Deduction Problem

Complete the **deduction** of the following argument, using the inference rule **Vel Elim** (repeatedly).

**Vel Elim ( $\vee-$ )**

$$\frac{(\bullet \vee \blacktriangle) \quad \sim \bullet}{\blacktriangle}$$

1.  $(R \vee (P \vee Q))$

2.  $(S \vee \sim R)$

3.  $(T \vee \sim P)$

4.  $\sim S$

5.  $\sim T$

\_\_\_\_\_ Get: Q

6.  $\sim P$

3, 5,  $\vee-$



*(This one's  
done for you)*