

- |    |                          |                            |
|----|--------------------------|----------------------------|
| 1. | $\{\neg p(x), q(x)\}$    | $p(x) \Rightarrow q(x)$    |
| 2. | $\{p(a)\}$               | $p(a)$                     |
| 3. | $\{\neg q(z), goal(z)\}$ | $q(z) \Rightarrow goal(z)$ |
| 4. | $\{\neg p(z), goal(z)\}$ | 1, 3                       |
| 5. | $\{goal(a)\}$            | 2, 4                       |