

### 3.1.1. Conditional Translation: Simple Problems

**Translate** each of the following sentences **into the (expanded) formal language**, using the translation key provided below.

**P:** Rex is busy

**Q:** Rex will take Jack surfing

**R:** Suki will take Jack surfing

**S:** Trixie will take Jack surfing

1. If Rex isn't busy then he'll take Jack surfing.
2. If Rex is busy then he won't take Jack surfing.
3. If Rex is busy then either Suki or Trixie will take Jack surfing.
4. Rex is busy, but if Suki doesn't take Jack surfing then Trixie will.
5. If Rex isn't busy then he'll take Jack surfing, but if he is busy then he won't.

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