Karp Reduction

If π and π' are two decision problems in NP and there is a Karp reduction from π to π' , we write this as

$$\pi \propto \pi'$$
,

and say that " π reduces to π ".

Note that if $\pi_1 \propto \pi_2$ and $\pi_2 \propto \pi_3$, then $\pi_1 \propto \pi_3$. That is, Karp Reductions are transitive.