Daily Question

(due October 17, 2005)

Construct a PDA that recognizes the language over $\{a, b\}^*$

$$\{w | \exists x.\ xx^{\mathcal{R}} = w\}$$

where $x^{\mathcal{R}}$ denotes the reverse of x, as usual. You should define each component of the machine and give a brief explanation (a few sentences) explaining how it works. No proof is required.