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his second jump

is $\frac{1}{2}$ foot

He is now $\frac{1}{2}$ foot from
the wall so he jumps

$\frac{1}{4}$ foot.

He makes successive
jumps of

$1, \frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \dots$

After n jumps he has
moved $S_n = \sum_{j=1}^n \frac{1}{2^{j-1}}$ feet