One end of a light elastic string is attached to a fixed point O. The other end of the string is attached to a particle P of mass $0.4 \,\mathrm{kg}$. The string has natural length $0.6 \,\mathrm{m}$ and modulus of elasticity $24 \,\mathrm{N}$. The particle is released from rest at O. Find the two possible values of the distance OP for which the particle has speed $1.5 \,\mathrm{m \, s}^{-1}$.