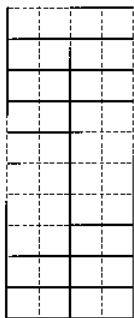


## I-41

A child is hanging from a rope by her hands. She exerts a burst of strength and 2.0 s later is traveling at 1.4 m/s up the rope.

### Motion Diagram



### Motion Information

Event 1:

Event 2:

$t_1 =$

$t_2 =$

$r_1 =$

$r_2 =$

$v_1 =$

$v_2 =$

$a_{12} =$

### Mathematical Analysis