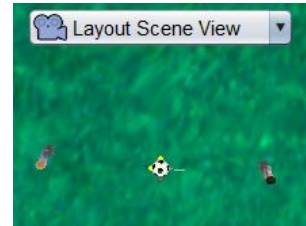


## The Soccer Match

Make sure the two boys and the soccer ball are in a line with the soccer ball between them.



Repeat 3 times:

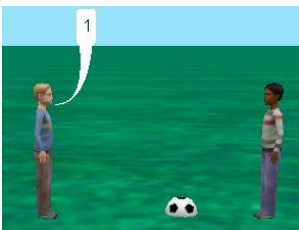
Boy1 moves to the soccer ball.



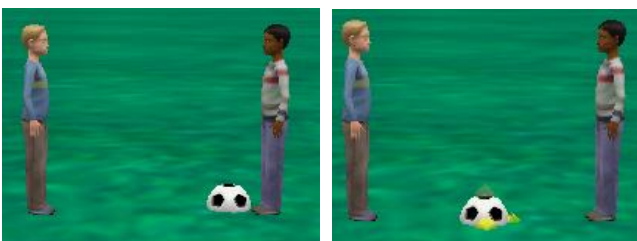
Boy1 kicks the ball a random distance between the distance where the ball is now and boy2.

```
Double distance = this.soccerBall.getDistanceTo( this.boy2 );  
Double amountToMove = RandomUtilities.nextDoubleInRange( 0.1, distance );
```

As he kicks it he says 1. (The next time he says 3, then 5)



Boy2 moves to the soccer ball.



Boy2 kicks the ball a random distance between the distance where the ball is now and boy1. As he kicks it he says 2. (The next time he says 4, then 6)

If at the end, the boys are within 1 meter of each other, they both say "We won!" Otherwise they both say "We need more practice!"