Robofest 2015 Game RoboBowl Scoring Sheet

Division: Junior / Senior   Team Name: _____

Team School / Organization Name: _____ Team Number: _____

Round: *First*   *Second*   Track No.: _____

Judging Items	Count	Point Value (per count)	Score Earned / Lost
Number of pins knocked down	0 1 2 3 4	15	Max. 60
Number of pins moved that were not knocked down	0 1 2 3 4	10	Max. 40
Number of balls in "Pin Side Area"	0 ~ 7	2	Max. 14
Number of live (unused) balls **after all four pins knocked down**	0 ~ 6	3	Max. 18
The robot reported the height, *x*: _____ (*) (Measured Value) in millimeters **at the end of the Game**.	0 1 (no) (yes)	5	Max. 5
The robot remained intact throughout Game.	0 1 (no) (yes)	5	Max. 5
Number of dead balls due to violations (just to count)	0 ~ 7	0	

(*) If Measured Value is "blank", Final Score is Total Score.

If Measured Value is a number, calculate

$$e = \frac{|\,CorrectValue - MeasuredValue\,|}{CorrectValue}$$

$$\text{Final Score} = \begin{cases} Total\ Score & if\ e > 1.0 \\ Total\ Score + 11 * (1 - e) & otherwise \end{cases}$$

Total Score

Final Score **
Calculated by Scorekeeper using Excel.
Not to be rounded.

Judge initials: _____   *Team player initials:* _____

If two balls are used to knock down all the pins and the measurement error e is zero, then the final score will be 100.
Though almost impossible, if one ball is used to knock down all the pins and the error e is zero, then the final score will be 101.