#### **Energy Transmission Systems**

## Hamza Gündüz 31017066 Halil İbrahim Kayhan 31017030

#### Project 01 Question 01 Part a Solutions

project001		- □ X
Energy Transmission Systems Project 0101		Hamza Gündüz / 31017066 Halil İbrahim Kayhan / 31017030
Inputs		Solutions
Three Phase(MVA):	Current load (A)	Ra (m): 40.8387
Double-circuit transmission line(kV): 230	502.044	Rb (m) : 31.6626
	Pick that you want to calculate	Rc (m): 23.7667
Width of the middle ROW(ft):	○ Middle of the ROW	Ra' (m) : 45.6712
Width of the edge ROW(ft): 60	Edge of the ROW	Rb' (m): 37.6906
		Rc' (m) : 31.3515
Height of 'a' (ft): 119.8		
Height of 'b' (ft): 84.8		The magnetic field intensity (H) : 1.91626
Height of 'c' (ft): 49.8		The magnetic field density (mG): 24.0804

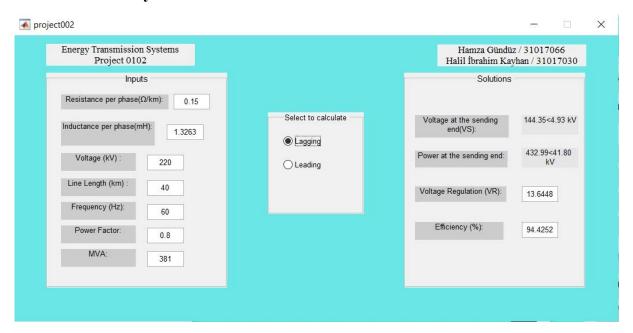
## Hamza Gündüz 31017066 Halil İbrahim Kayhan 31017030

## Project 01 Question 01 Part b Solutions



## Hamza Gündüz 31017066 Halil İbrahim Kayhan 31017030

#### Project 01 Question 02 Part a Solutions



## Hamza Gündüz 31017066 Halil İbrahim Kayhan 31017030

# Project 01 Question 01 Part b Solutions



## Hamza Gündüz 31017066 Halil İbrahim Kayhan 31017030

## Project 01 Question 03 Solution

