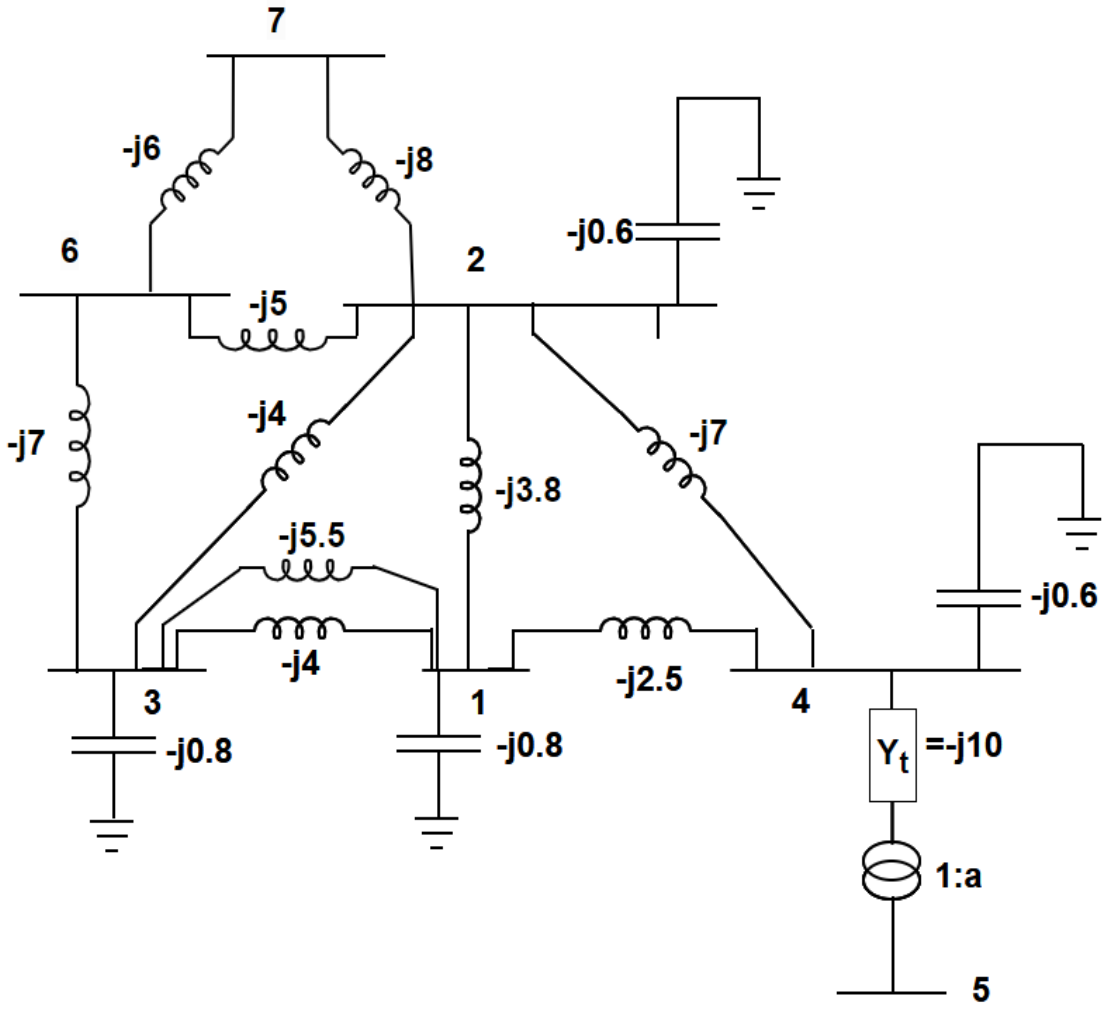
POWER SYSTEMS ASSIGNMENT 2

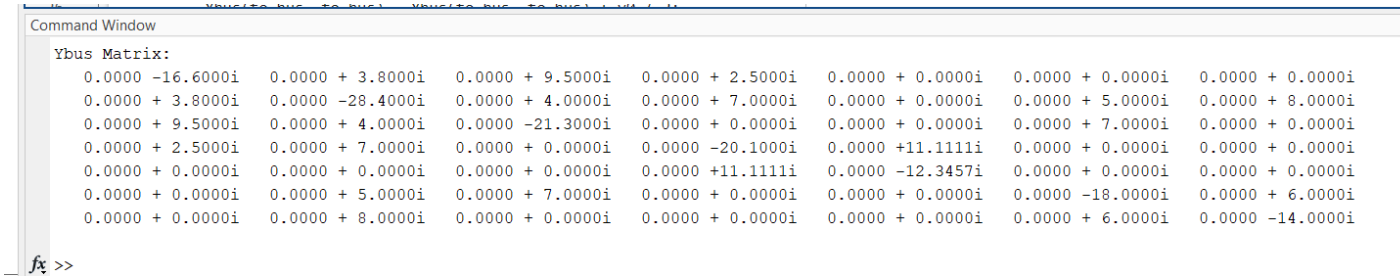
B22228

P.LALITHENDH

Qn. Develop Y-bus matrix using MATLAB code for the given system. Take a=0.9, (All branch data are admittance)



OUTPUT:



Command Window

```
Ybus Matrix:
   0.0000 -16.6000i   0.0000 + 3.8000i   0.0000 + 9.5000i   0.0000 + 2.5000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 + 0.0000i
   0.0000 + 3.8000i   0.0000 -28.4000i   0.0000 + 4.0000i   0.0000 + 7.0000i   0.0000 + 0.0000i   0.0000 + 5.0000i   0.0000 + 8.0000i
   0.0000 + 9.5000i   0.0000 + 4.0000i   0.0000 -21.3000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 + 7.0000i   0.0000 + 0.0000i
   0.0000 + 2.5000i   0.0000 + 7.0000i   0.0000 + 0.0000i   0.0000 -20.1000i   0.0000 +11.1111i   0.0000 + 0.0000i   0.0000 + 0.0000i
   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 +11.1111i   0.0000 -12.3457i   0.0000 + 0.0000i   0.0000 + 0.0000i
   0.0000 + 0.0000i   0.0000 + 5.0000i   0.0000 + 7.0000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 -18.0000i   0.0000 + 6.0000i
   0.0000 + 0.0000i   0.0000 + 8.0000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 + 0.0000i   0.0000 + 6.0000i   0.0000 -14.0000i

fx >>
```