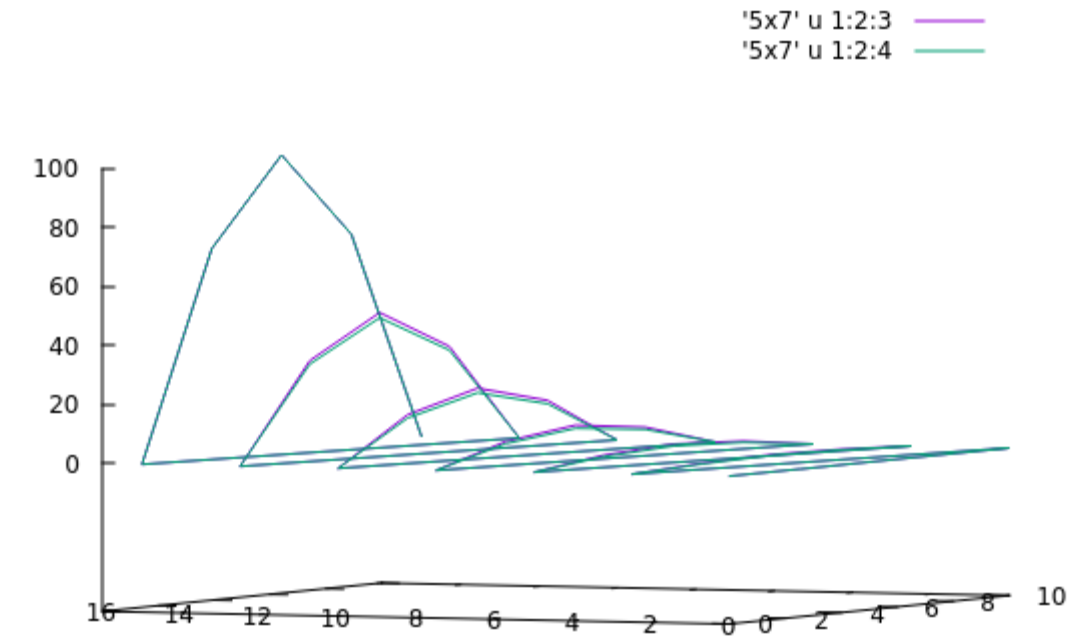
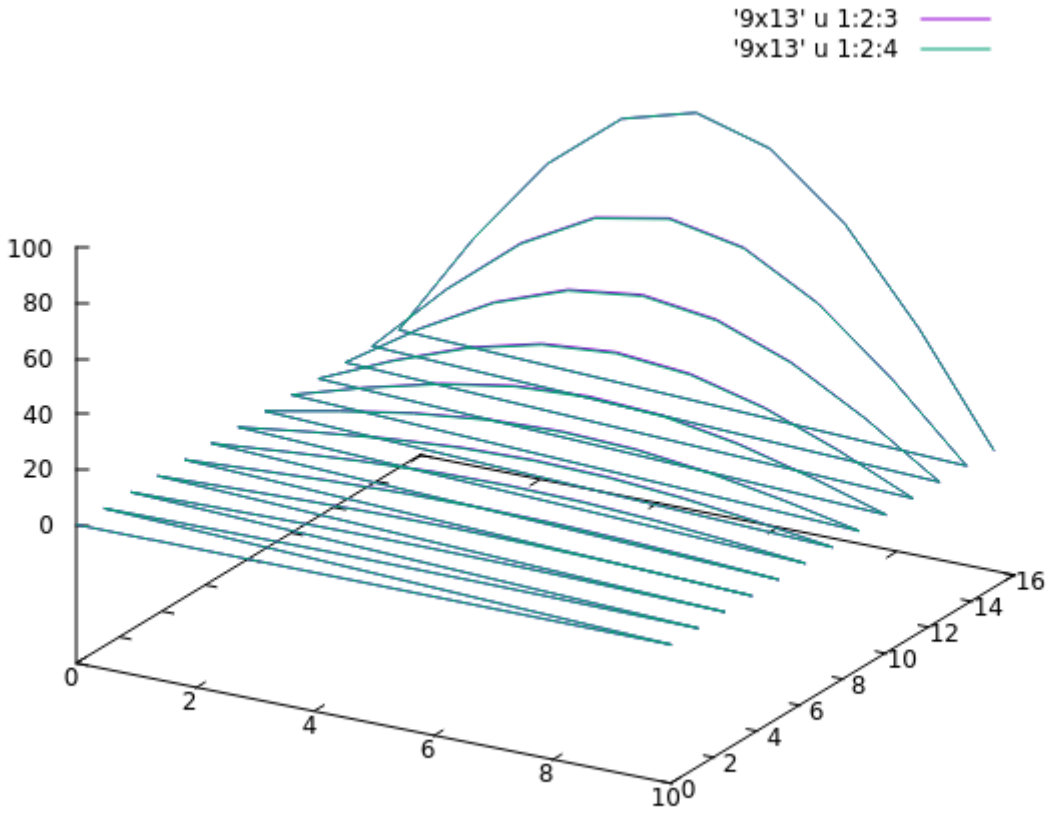
LAB ASSIGNMENT 15-11-2018

-DEERGHANSHU, 160122011

1.





Error Table (5*7):

x	y	u	u_exact	error
2.5	2.5	1.30459	1.10367	0.200915
5	2.5	1.84497	1.56083	0.284136
7.5	2.5	1.30459	1.10367	0.200915
2.5	5	3.37339	2.92387	0.449514
5	5	4.77069	4.13498	0.635709
7.5	5	3.37339	2.92387	0.449514
2.5	7.5	7.41827	6.6423	0.775967
5	7.5	10.491	9.39364	1.09738
7.5	7.5	7.41827	6.6423	0.775967
2.5	10	15.8087	14.673	1.13564
5	10	22.3568	20.7508	1.60603
7.5	10	15.8087	14.673	1.13564
2.5	12.5	33.4596	32.2298	1.22981
5	12.5	47.319	45.5798	1.73922
7.5	12.5	33.4596	32.2298	1.22981