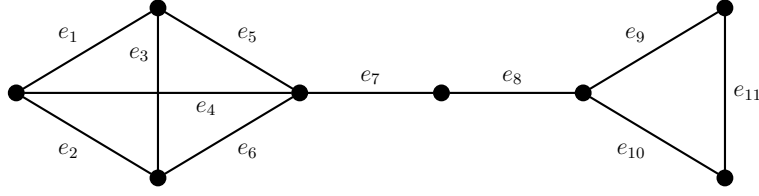


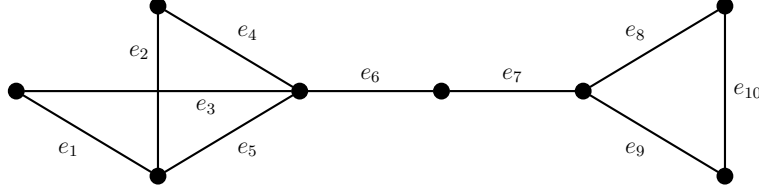
Example graphs



```
R = QQ[e_1..e_11]
I = ideal(e_2*e_5-e_1*e_6,e_3*e_4-e_1*e_6,e_3*e_7^2*e_9*e_10-e_5*e_6*e_8^2*e_11,
e_2*e_7^2*e_9*e_10-e_4*e_6*e_8^2*e_11,e_1*e_7^2*e_9*e_10-e_4*e_5*e_8^2*e_11)
```

trial	shipping version	oneStep changes	oneStep & tgb changes
1	475s	415s	
2	471s	414s	
3	474s	411s	
4	471s	411s	
5	474s	411s	
avg.	473s	412s	
difference	—	61s quicker	

Removing one edge:



```
R = QQ[e_1..e_10]
I = ideal(e_2*e_3-e_1*e_4,e_2*e_6^2*e_8*e_9-e_4*e_5*e_7^2*e_10,
e_1*e_6^2*e_8*e_9-e_3*e_5*e_7^2*e_10)
```

trial	shipping version	oneStep changes	oneStep & tgb changes
1	14.7s	13.2s	
2	14.8s	13.2s	
3	14.7s	13.1s	
4	14.9s	13.1s	
5	14.9s	13.3s	
avg.	14.8s	13.18s	
difference	—	1.62s quicker	