R1-11,12-14,15-17

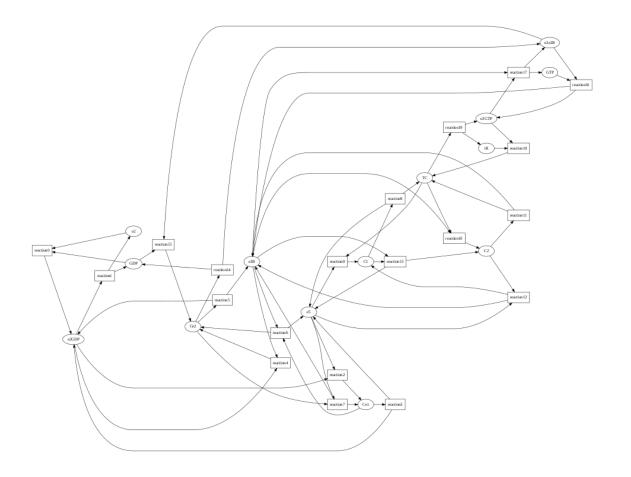
June 10, 2025

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```
[1]: e2 + GDP <=> e2GDP.
e2GDP + e5 <=> Ce1.
e2GDP + e2B <=> Ce2.
Ce1 + e2B <=> Ce2 + e5.
TC+e5<=>C1.
TC + e2B<=> C2.
C2 + e5<=>C1 + e2B.
Ce2 <=> e2e2B + GDP.
e2e2B + GTP <=> e2GTP + e2B.
tR + e2GTP <=> TC.
```

[1]:

```
[2]: draw_reactions.
```



[2]:

[3]: list_ode.

$$tR_0 = 0$$

$$e2CTP_0 = 0$$

$$TC_0 = 0$$

$$e2e2B_0 = 0$$

$$GTP_0 = 0$$

$$e2B_0 = 0$$

$$GPP_0 = 0$$

$$e2B_0 = 0$$

$$Ce2_0 = 0$$

$$GDP_0 = 0$$

$$e5_0 = 0$$

$$C^2_0 = 0$$

$$C^1_0 = 0$$

$$e^2GDP_0 = 0$$

$$e^2DDP_0 = 0$$

[3]:			
[]:			