Summary

March 19, 2025

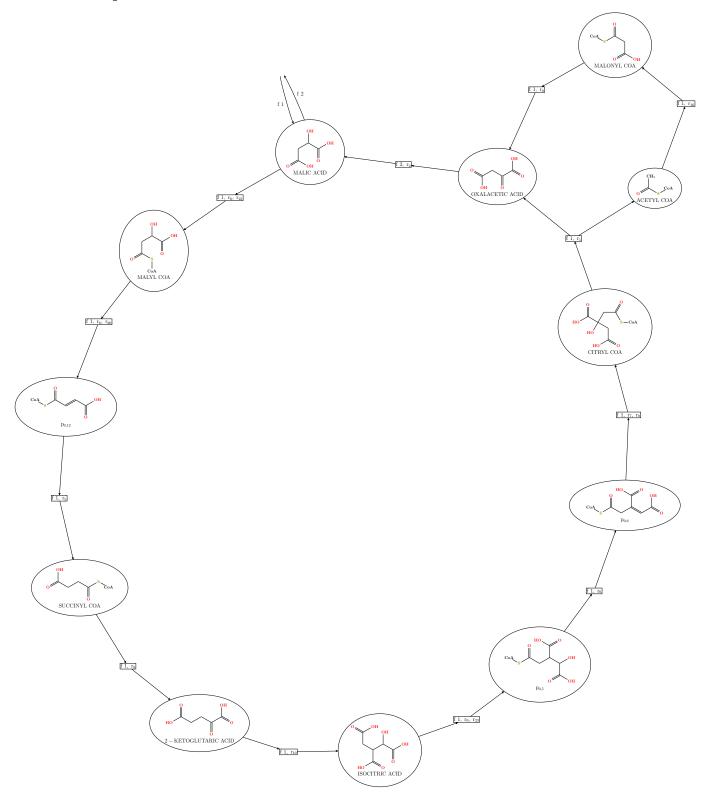
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0.0.1 Solution 0

Overall Data

Objective value		(integral):		12
Vertex/Graph	In	Out	OA	
ADP	0	3	0	
ATP	3	0	0	
CO2	3	0	0	
CoASH	2	2	0	
Fdox	0	4	0	
Fdred	4	0	0	
H20	0	1	0	
HCO3-	1	0	0	
MALIC ACID	1	2	1	
NAD+	0	1	0	
NADH	1	0	0	
NADP+	0	3	0	
NADPH	3	0	0	
Pi	0	3	0	
hplus	9	0	0	



 $File: \ \mathtt{out/026_dg_0_11100_f_0_0_filt}$

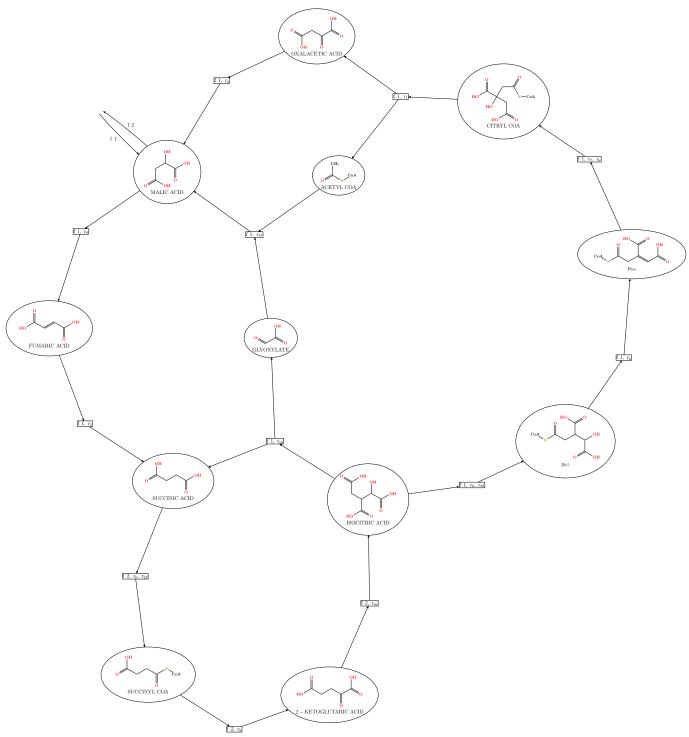
0.0.2 Solution 1

Overall Data

Objective value (integral): 12

Vertex/Graph In Out OA ADP 0 3 0

ATP	3	0	0
C02	4	0	0
CoASH	1	1	0
Fdox	0	4	0
Fdred	4	0	0
H20	1	1	0
MALIC ACID	1	2	1
NAD+	0	1	0
NADH	1	0	0
NADP+	0	3	0
NADPH	3	0	0
Pi	0	3	0
hplus	8	0	0



File: out/035_dg_0_11100_f_0_1_filt

0.0.3 Solution 2

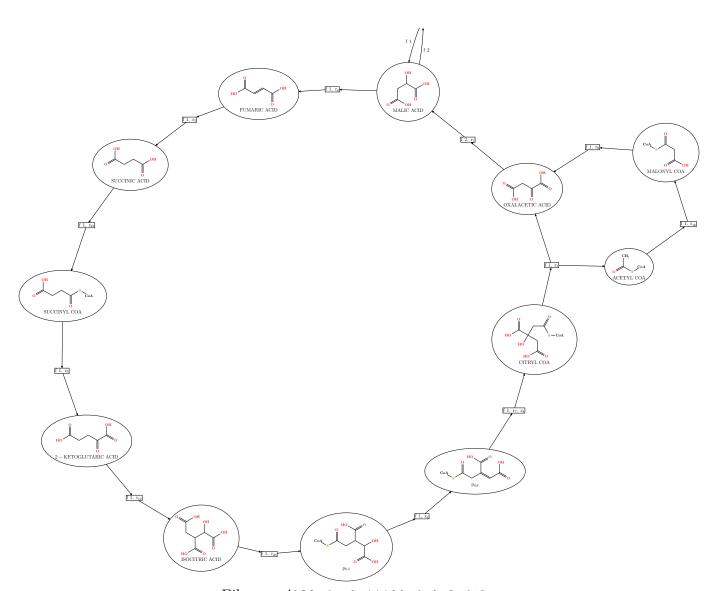
Overall Data

Objective value (integral): 12

Vertex/Graph In Out OA

AMP 0 2 0 ATP 2 0 0 CO2 3 0 0

Fdox		0	4	0
Fdred		4	0	0
H20		0	1	0
HCO3-		1	0	0
MALIC	ACID	1	2	1
NAD+		0	1	0
NADH		1	0	0
NADP+		0	3	0
NADPH		3	0	0
PPi		0	1	0
Pi		0	2	0
hplus		9	0	0

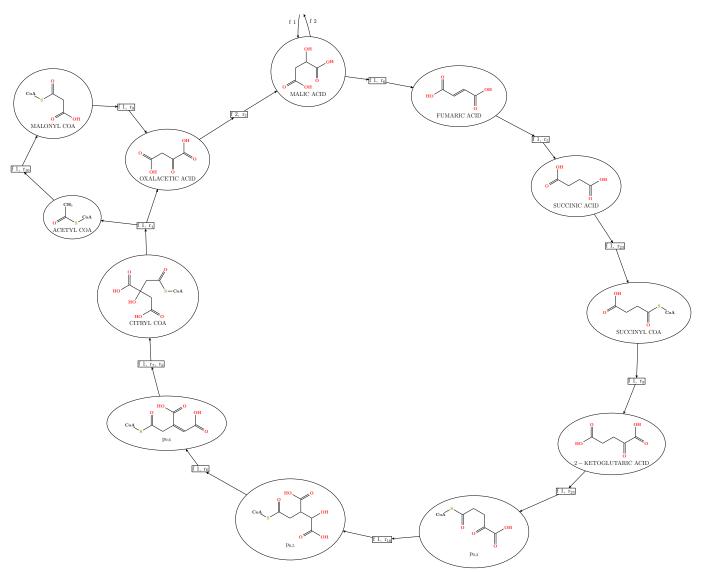


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0.0.4 Solution 3

Overall Data

Objective val	Lue	(integral):		12
Vertex/Graph	In	Out	OA	
ADP	1	1	0	
AMP	0	2	0	
ATP	2	0	0	
C02	3	0	0	
Fdox	0	4	0	
Fdred	4	0	0	
H20	0	1	0	
HCO3-	1	0	0	
MALIC ACID	1	2	1	
NAD+	0	1	0	
NADH	1	0	0	
NADP+	0	3	0	
NADPH	3	0	0	
PPi	0	1	0	
Pi	0	2	0	
hplus	9	0	0	



 $File: \verb"out/043_dg_0_11100_f_0_3_filt"$

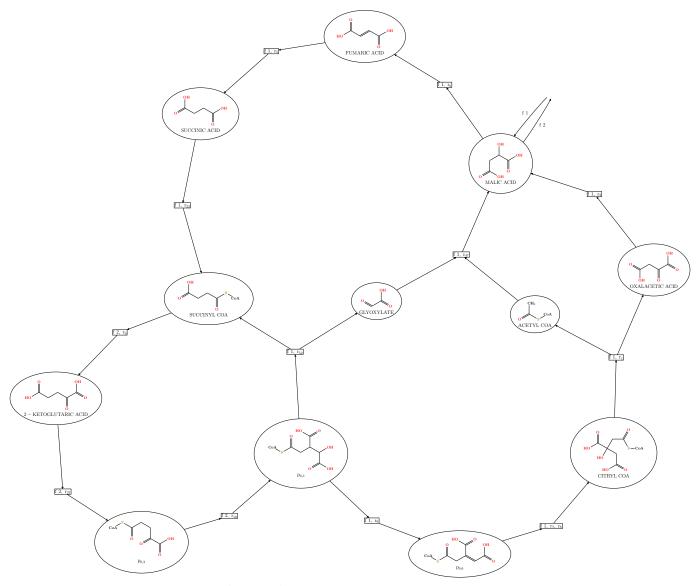
0.0.5 Solution 4

Overall Data

Objective value (integral): 12 Vertex/Graph In Out OA

ver cex/ draph	T 11	Uut	UA
ADP	1	0	0
AMP	0	3	0
ATP	2	0	0
C02	4	0	0
Fdox	0	4	0
Fdred	4	0	0
H20	1	1	0
MALIC ACID	1	2	1
NAD+	0	1	0
NADH	1	0	0

NADP+	0	3	0
NADPH	3	0	0
PPi	0	2	0
Pi	0	1	0
hplus	8	0	0



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