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graph TD; In[4] --> 1["L-Glutamate (1)"]; 1 -- 2 --> 2["L-Glutamyl 5-phosphate (2)"]; 2 -- 2 --> 3["L-Glutamate 5-semialdehyde (3)"]; 3 -- 2 --> 4["(5S)-1-pyrroline-5-carboxylate (4)"]; 3 -- 2 --> 5["L-Ornithine (5)"]; 4 -- 2 --> 6["L-Proline (6)"]; 5 -- 2 --> 6; 6 -- 4 --> Out[4];
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1. $\rightarrow 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 6 \rightarrow$
2. $\rightarrow 1 \rightarrow 2 \rightarrow 3 \rightarrow 5 \rightarrow 6 \rightarrow$
3. $\rightarrow 1 \rightarrow 3 \rightarrow 4 \rightarrow 6 \rightarrow$
4. $\rightarrow 1 \rightarrow 3 \rightarrow 5 \rightarrow 6 \rightarrow$

2	0	1	1.1	1.5
0	2	1	0.9	0.5
2	0	1	1.1	1.5
0	2	1	0.9	0.5

1. $1 \rightarrow 2 \rightarrow 1$
2. $2 \rightarrow 3 \rightarrow 2$
3. $3 \rightarrow 4 \rightarrow 3$
4. $1 \rightarrow 4 \rightarrow 1$
5. $1 \rightarrow 2 \rightarrow 3 \rightarrow 1$
6. $1 \rightarrow 4 \rightarrow 3 \rightarrow 1$
7. $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 1$
8. $1 \rightarrow 4 \rightarrow 3 \rightarrow 2 \rightarrow 1$

2	0	1	0.6	0.5
2	0	1	0.6	0.5
2	0	1	0.9	1.0
2	0	1	0.9	1.0
1	1	1	1.3	1.5
1	1	1	0.7	0.5
0	2	1	1.1	1.0
0	2	1	1.4	1.5