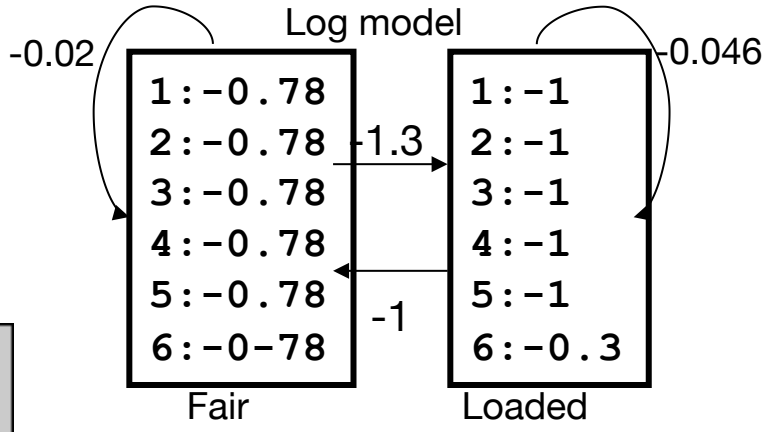
Model decoding (Viterbi). Can you do it?

- Example: 566611234. What was the most lilely series of dice used to generate this output?
- Fill out the table using the Viterbi recursive algorithm
  - Add the arrows for backtracking
- Find the optimal path



$$P_l(i+1) = p_l(i+1) \bullet \max_k(P_k(i) \bullet a_{kl}) \quad or$$

$$\log(P_l(i+1) = \log(p_l(i+1)) + \max_k(\log(P_k(i) + \log(a_{kl}))$$

	5	6	6	6	1	1	2	3	4
F	-1.08	-1.88	-2.68	-3.48	-4.12	-4.92	-5.72	-6.52	-7.33
L	-1.30	-1.65	-1.99	-2.34	-3.39	-4.44	-5.49	-6.53	-7.57