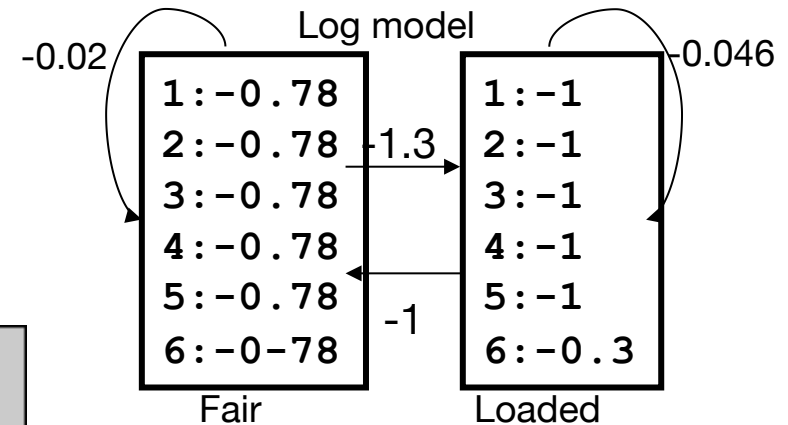


Model decoding (Viterbi). Can you do it?

- Example: 566611234. What was the most likely 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

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

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



	5	6	6	6	1	1	2	3	4
F	-1.08	-1.88	-2.68	-3.48		-4.92	-5.73	-6.53	
L	-1.30	-1.65	-1.99		-3.39	-4.44		-6.52	-7.57