log_10 running time in seconds, n=502. D-Wave times exlude setup. D-Wave V6, McGeoch n=502 set Prog-QUBO-S1, Set 2 (n=502) + × -0.5 -0.5 -1 -1.5 -1.5 log_10(TTS(p)/1 second) -2 -2 -2.5 -2.5 -3 -3 -3.5 -3.5 -4 20 80 100 0 40 60 Hardness rank, p, from 1 to 100