Mathematical language	English File language
A one line comment	`NOTA` bla, bla, bla
Measure $\|0\rangle\langle 0\|$ at qubit 1	`MEAS 0 AT 1`
Measure $\|1\rangle\langle 1\|$ at qubit 1	`MEAS 1 AT 1`
Measure both $\|0\rangle\langle 0\|$ and $\|1\rangle\langle 1\|$ at qubit 1 New state is mixture.	`MEAS 2 AT 1` .
Loop named 5 with 2 repetitions	`LOOP 5 REPS: 2`
Next iteration of loop named 5	`NEXT 5`
$E(1,0)^{\overline{n}(3)n(2)}$	`SWAP 1 0 IF 3F 2T`
$e^{i42.7\frac{\pi}{180}\overline{n}(3)n(2)}$	`PHAS 42.7 IF 3F 2T`
$e^{i42.7\frac{\pi}{180}\overline{n}(3)n(2)}$	`POPH 42.7 AT 3 IF 2T`
$e^{i42.7\frac{\pi}{180}n(3)n(2)}$	`P1PH 42.7 AT 3 IF 2T`
$\sigma_X(1)^{\overline{n}(3)n(2)}$	`SIGX AT 1 IF 3F 2T`
$\sigma_Y(1)^{\overline{n}(3)n(2)}$	`SIGY AT 1 IF 3F 2T`
$\sigma_Z(1)^{\overline{n}(3)n(2)}$	`SIGZ AT 1 IF 3F 2T`
$H(1)^{\overline{n}(3)n(2)}$	`HAD2 AT 1 IF 3F 2T`
$(e^{\frac{i}{2}\frac{\pi}{180}23.7\sigma_X(1)})^{\overline{n}(3)n(2)}$	`ROTX 23.7 AT 1 IF 3F 2T`
$(e^{\frac{i}{2}\frac{\pi}{180}23.7\sigma_Y(1)})^{\overline{n}(3)n(2)}$	`ROTY 23.7 AT 1 IF 3F 2T`
$(e^{\frac{i}{2}\frac{\pi}{180}23.7\sigma_Z(1)})^{\overline{n}(3)n(2)}$	`ROTZ 23.7 AT 1 IF 3F 2T`
$(e^{\frac{i}{2}\frac{\pi}{180}[30\sigma_X(1)+40\sigma_Y(1)+11\sigma_Z(1)]})^{\overline{n}(3)n(2)}$	`ROTN 30.0 40.0 11.0 AT 1 IF 3F 2T`
$[e^{i\sum_{b1,b0}\theta_{b_1b_0}\sigma_Y(3)P_{b_1b_0}(2,1)}]^{n(0)}$ where $\begin{cases}\theta_{00}=30.0(\frac{\pi}{180})\\ \theta_{01}=10.5(\frac{\pi}{180})\\ \theta_{10}=11.0(\frac{\pi}{180})\\ \theta_{11}=83.1(\frac{\pi}{180})\end{cases}$	`MP_Y AT 3 IF 2(1 1(0 0T BY 30.0 10.5 11.0 83.1` .