Write a microcode fragment that computes the equation $R1 = 5(R1 - 2R2) + 3R3$. Use only R1, R2, and R3. Registers can be modified after their results are no longer required.

cycle	*X*	*Y*	*Z*	*rwe*	*im en*	*im va*	*au en*	*-a/s*	*lu en*	*lf*	*su en*	*st*	*ld en*	*st en*	*r/-w*	*msel*	*description*
1	2	2	2	1	0	X	1	0	0	X	0	X	0	0	X	0	R2 ← R2 + R2
2	1	2	1	1	0	X	1	1	0	X	0	X	0	0	X	0	R1 ← R1 - R2
3	1	X	2	1	1	FFFE	0	X	0	X	1	1	0	0	X	0	R2 ← R1 ash -2
4	1	2	1	1	0	X	1	0	0	X	0	X	0	0	X	0	R1 ← R1 + R2
5	3	3	2	1	0	X	1	0	0	X	0	X	0	0	X	0	R2 ← R3 + R3
6	2	3	3	1	0	X	1	0	0	X	0	X	0	0	X	0	R3 ← R2 + R3
7	1	3	1	1	0	X	1	0	0	X	0	X	0	0	X	0	R1 ← R1 + R3