

SOLIDAC ORDER CODE.

0.0.0	Absolute Stop	
0.0.n	Normal Stop	<u>STOPS</u>
0.b.0 and 0.b.n	Optional Stops	
1	s*:= b	Only bottom 11 digits altered.
2	b*:= s	
3	b*:= b + s	
4	b*:= b - s	
5	b*:= n	<u>b REGISTER</u>
6	b*:= b + n	<u>OPERATIONS</u>
7	b*:= b - n	
8	b*:= b and s	
9	b*:= s, s*:= b	Only bottom 11 digits altered.
10	b*:= s*:= 1	Input to bottom 5 digits, rest cleared. <u>INPUT</u>
12	c*:= n if b > 0	
13	c*:= n if b ≠ 0	<u>b REGISTER</u>
14	c*:= n if b*:= (b-1) ≠ 0	<u>JUMPS</u>
15	c*:= n if b*:= (b-2) ≠ 0	
16	Add n to next order with no carry into the modifier digits.	<u>SPECIAL</u>
17	Add s to the next order.	<u>MODIFY</u>
20	o*:= s	<u>OUTPUT</u>
21	c*:= n if a < 0	
22	c*:= n if a > 0	
23	c*:= n if a ≠ 0	<u>MODIFIABLE</u>
24	c*:= n if underflow in a	<u>JUMPS</u>
25	c*:= n if overflow in a or d	
26	c*:= n	
27	c*:= n and change stores	
28	Connect Input/Output n, odd for input, even for output units.	
29	Disconnect Output n. Connecting one input disconnects all others.	
31	s*:= 1, 1 has only 10 digits. Sign digit of s*:= 0.	<u>ACCUMULATOR</u>
32	l*:= s, m*:= repeated sign digit of s all the way up.	<u>LOWER PART</u>
33	l*:= l + s, m*:= m + sign digit of s with appropriate carry to m.	
34	l*:= l - s, m*:= m - sign digit of s with appropriate carry to m.	
35	Normalise a with overshift limit n. Shifted right once, then left until normalised. d*:= d - net left shift. No limit if n=0 else n = smallest impermissible shift.	<u>SHIFTS</u>
36	a n-place left shifted (arith). Overflow can set. Sign digit repeats.	
37	a n-place right shifted (arith). : : : : :	
38	a n-place left shifted (logic). No overflow or sign digit repetition.	
39	a n-place right shifted (logic). : : : : :	
40	s*:= m, a*:= 0	
41	s*:= m	
42	m*:= s	
43	m*:= m + s	
44	m*:= m - s	<u>MOST</u>
45	s*:= s + m	<u>SIGNIFICANT</u>
46	s*:= s - m	<u>PART OF</u>
47	m*:= m ≠ s digit by digit	<u>ACCUMULATOR</u>
48	m*:= m and s digit by digit	
49	m*:= s, s*:= m	
51	s*:= d	
52	d*:= s	
53	d*:= d + s	
54	d*:= d - s	
55	d*:= n	<u>d REGISTER</u>
56	a*:= s × d	<u>OPERATIONS</u>
58	d*:= a / s bottom digit rounded, m*:= remainder as for 1	
59	d*:= m, m*:= d	
60	v*:= s. v is for viewing results	<u>SIGNAL LIGHTS</u>
61	s*:= input hand switches	<u>HAND SWITCHES</u>