

In-struction No.	Calculate:	From Equa-tion:	Using the Value of:	From Storage Location No.	Transfer Result to Storage Location No.
36	A_{Cat}	24	D_B n D_o n_T D_T	4 + 5 6 + 7 8 + 9 22 + 23 24 + 25	72 + 73
37	V_{Cat}	25	$100 \cdot 2^{-39} L$ A_{Cat}	2 + 3 72 + 73	74 + 75
38	a_1	26	n D_o	6 + 7 8 + 9	76 + 77
39	S	27	a_1 $100 \cdot 2^{-39} L$	76 + 77 2 + 3	78 + 79
40	a_2	29	D_i D_{co} n_k D_k	10 + 11 14 + 15 16 + 17 18 + 19	80 + 81
41	A_{Tubes}	30	n a_2	6 + 7 80 + 81	82 + 83
42	$D_{e, Tubes}$	31	a_2 D_i D_{co} n_k D_k	80 + 81 10 + 11 14 + 15 16 + 17 18 + 19	84 + 85
43	Jump to instruction 46, if $C(12+13) - C(2+3) \geq 0$.				