

On the Subject of Swiftly Subduing Silly Slots

Sassy	Silly	Soggy	Sally	Simon	Sausage	Steven
1 Blue	1 Blue	1 Green	1 Red	1 Red	1 Red	1 Green
2 Red	2 Green	2 Blue	2 Blue	2 Green	2 Blue	2 Red
3 Green	3 Red	3 Red	3 Green	3 Blue	3 Green	3 Blue
A Cherry	A Coin	A Coin	A Grape	A Bomb	A Grape	A Cherry
B Grape	B Bomb	B Cherry	B Cherry	B Grape	B Bomb	B Bomb
C Bomb	C Grape	C Bomb	C Bomb	C Cherry	C Coin	C Coin
D Coin	D Cherry	D Grape	D Coin	D Coin	D Cherry	D Grape

Use the table on the left to convert the symbols to letters A-D and the colors to numbers 1-3.

Find the three colors (row), the first two symbols (columns) and the third symbol (inside the cell).

K = keep, P = pull; rest is a condition on keep.

$\overline{n}3$ = nth slot 2 stages ago was 3.

$\leq C$, $\leq 2D$ = previous stage had any C/2D.

$\leq 1C$, $\leq 3D$ = any earlier stage had a 1C/3D.

$\&$ = logical and.

	AA	AB	AC	AD	BA	BB	BC	BD
111	A=«3D C=P K	A=K 1^3	P	A=K 1^3	A=K C=P 2^3	A=3^3 B=<2D&«3D <2D	A=P <2D	A=3^3 <2D
112	B=«1C C=P K	B=1^3&«1C C=P 1^3	P	B=1^3&«1C C=P 1^3	B=2^3&«1C C=P 2^3	B=«1C C=P K	B=«1C D=K P	B=«1C C=P K
113	C=P <C	1^3&<C	P	1^3&<C	C=P 2^3&<C	<C	<C	<C
121	A=K C=P 1^3	A=«1C 1^3&«1C	P	A=K 1^3	A=3^3 C=P K	A=3^3&«1C «1C	P	A=3^3 K
122	P	P	P	D=1^3 P	P	P	P	D=K P
123	C=P 1^3&<C	1^3&<C&«1C	P	1^3&<C	C=P <C	<C&«1C	P	<C
131	A=<C 1^3&<C	A=<C 1^3&<C	P	A=<C 1^3&<C	A=3^3&<C <C	A=3^3&<C <C	A=P <C	A=3^3&<C <C
132	B=1^3& <C&«1C C=P 1^3&<C	B=1^3& <C&«1C C=P 1^3&<C	P	B=1^3& <C&«1C C=P 1^3&<C	B=<C&«1C C=P <C	B=<C&«1C C=P <C	B= <C&«1C D=<C P	B=<C&«1C C=P <C
133	1^3	1^3	P	D=P 1^3	K	K	K	D=P K
211	A=K C=P 2^3	A=3^3 K	P	A=3^3 K	A=«1C C=P 2^3&«1C	A=3^3&«1C «1C	A=P «1C	A=3^3&«1C «1C
212	P	P	P	P	P	P	P	P
213	C=P 2^3&<C	<C	P	<C	C=P 2^3&<C&«1C	<C&«1C	<C&«1C	<C&«1C
221	P	P	P	P	P	P	P	P
222	A=«3D B=«1C C=P D=K	C=P «1C	P	B=«1C C=P K	C=P «1C	A=«1C D=<2D&«1C P	C= <2D&«1C P	A=«1C C=P <2D&«1C
223	P	P	P	P	P	P	P	P
231	A=3^3&<C <C	A=3^3&<C <C	P	A=3^3&<C <C	A=3^3& <C&«1C <C&«1C	A=3^3& <C&«1C <C&«1C	A=P <C&«1C	A=3^3& <C&«1C <C&«1C
232	P	P	P	P	P	P	P	P
233	K	K	P	D=P K	«1C	B=P «1C	«1C	D=P «1C
311	A=<C C=P 2^3&<C	A=3^3&<C <C	A=P <C	A=3^3&<C <C	A=<C C=P 2^3&<C	A=3^3&<C <C	A=P <C	A=3^3&<C <C
312	B=2^3& <C&«1C C=P 2^3&<C	B=<C&«1C C=P <C	B= <C&«1C D=<C P	B=<C&«1C C=P <C	B=2^3& <C&«1C C=P 2^3&<C	B=<C&«1C C=P <C	B= <C&«1C D=<C P	B=<C&«1C C=P <C
313	C=P 2^3	K	K	K	C=P 2^3	K	K	K
321	A=3^3&<C C=P <C	A=3^3& <C&«1C <C&«1C	P	A=3^3&<C <C	A=3^3&<C C=P <C	A=3^3& <C&«1C <C&«1C	P	A=3^3&<C <C
322	P	P	P	D=<C P	P	P	P	D=<C P
323	C=P K	«1C	P	K	C=P K	B=P «1C	P	K
331	A=3^3 K	A=3^3 K	A=P K	A=3^3 K	A=3^3 K	A=3^3 K	A=P K	A=3^3 K

333	A=«3D K	K	K	D=P K	K	A=K B=P <2D	A=K <2D	A=K D=P <2D
	CA	CB	CC	CD	DA	DB	DC	DD
111	P	A=3^3 <2D	A=P C=<2D&«3D <2D	A=3^3 <2D	A=K C=P 2^3	A=3^3 <2D	A=P <2D	A=3^3 D=<2D&«3D <2D
112	P	B=«1C C=P K	B=«1C D=K P	B=«1C C=P K	B=2^3&«1C C=P 2^3	B=«1C C=P K	B=«1C D=K P	B=«1C C=P K
113	P	<C	<C	<C	C=P 2^3&<C	<C	<C	<C
121	P	A=3^3&«1C «1C	P	A=3^3 K	A=3^3 C=P K	A=3^3&«1C «1C	P	A=3^3 K
122	P	P	P	D=K P	P	P	P	D=K P
123	P	<C&«1C	P	<C	C=P <C	<C&«1C	P	<C
131	A=3^3&<C <C	A=3^3&<C <C	A=P <C	A=3^3&<C <C	A=3^3&<C <C	A=3^3&<C <C	A=P <C	A=3^3&<C <C
132	B=«C&«1C C=P <C	B=<C&«1C C=P <C	B=<C&«1C D=<C P	B=<C&«1C C=P <C	B=<C&«1C C=P <C	B=<C&«1C C=P <C	B=<C&«1C D=<C P	B=<C&«1C C=P <C
133	K	K	K	D=P K	K	K	K	D=P K
211	P	P	P	P	A=K C=P 2^3	A=3^3 K	A=P K	A=3^3 K
212	P	P	P	P	D=2^3 P	D=K P	D=K P	D=K P
213	P	P	P	P	C=P 2^3&<C	<C	<C	<C
221	P	P	P	P	P	P	P	A=3^3 K
222	P	C=<2D&«1C P	A=P B=<2D&«1C C=<2D&«3D D=<2D	C=<2D P	B=«1C C=P K	A=«1C C=P <2D&«1C	C=<2D P	A=K B=<2D&«1C C=P D=<2D&«3D
223	P	P	P	P	P	P	P	<C
231	P	P	P	P	A=3^3&<C <C	A=3^3&<C <C	A=P <C	A=3^3&<C <C
232	P	P	P	P	D=<C P	D=<C P	D=<C P	D=<C P
233	P	P	P	P	K	K	K	D=P K
311	P	A=3^3&<C <C	A=P <C	A=3^3&<C <C	A=<C C=P 2^3&<C	A=3^3&<C <C	A=P <C	A=3^3&<C <C
312	P	B=<C&«1C C=P <C	B=<C&«1C D=<C P	B=<C&«1C C=P <C	B=2^3&<C&«1C C=P 2^3&<C	B=<C&«1C C=P <C	B=<C&«1C D=<C P	B=<C&«1C C=P <C
313	P	K	K	K	C=P D=P 2^3	D=P K	D=P K	D=P K
321	P	A=3^3& <C&«1C <C&«1C	P	A=3^3&<C <C	A=3^3&<C C=P <C	A=3^3&<C&«1C <C&«1C	P	A=3^3&<C <C
322	P	P	P	D=<C P	P	P	P	D=<C P
323	P	«1C	P	K	C=P D=P K	D=P «1C	P	D=P K
331	A=3^3 K	A=3^3 K	A=P K	A=3^3 K	A=3^3 K	A=3^3 K	A=P K	P
332	B=«1C C=P K	B=«1C C=P K	B=«1C D=K P	B=«1C C=P K	B=«1C C=P K	B=«1C C=P K	B=«1C D=K P	P
333	K	A=K <2D	A=K C=<2D&«3D <2D	A=K D=P <2D	D=P K	A=K D=P <2D	A=K D=P <2D	P